IF4042 Sistem Temu Balik Informasi

**Information Retrieval System**



Dipersiapkan oleh:

Christ Angga Saputra – 13512019

Ivana Clairine Irsan – 13512041

Rikysamuel – 13512089

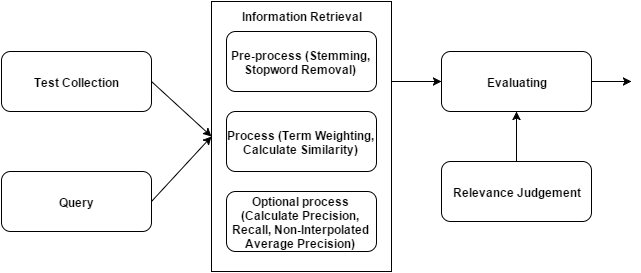
Program Studi Teknik Informatika

Sekolah Teknik Elektro dan Informatika

Institut Teknologi Bandung

2015

**Arsitektur**

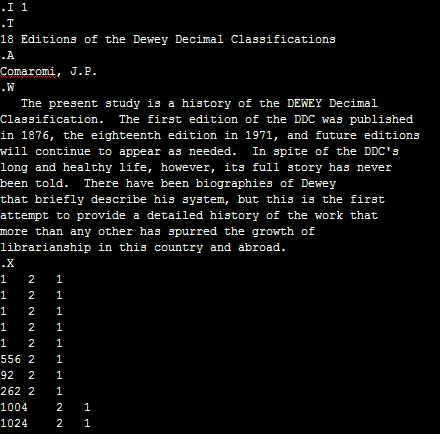
****

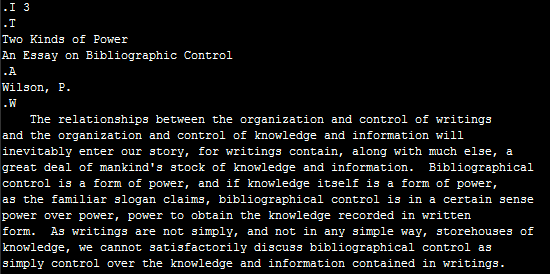
Arsitektur yang kami gunakan dalam pembuatan sistem ini menggunakan Test Collection dan Query sebagai data utama. Test collection digunakan sebagai sumber informasi. Informasi ini diolah oleh sistem melalui 3 tahap utama, yaitu pre-processing yang bertujuan untuk menghilangkan kata-kata yang diasumsikan tidak dapat menambah akurasi seperti kata penghubung dan pemotongan kata menjadi kata dasar yang bertujuan untuk meningkatkan performa sistem. Selanjutnya, dilakukan perhitungan untuk menentukan bobot dari masing-masing kata (term) dalam test collection yang nantinya akan digunakan untuk menghitung kedekatan (similarity) antara query dengan dokumen dalam test collection. Untuk mengecek performansi sistem, sistem dibandingkan dengan Relevance Judgement (hasil kategorisasi secara manual).

**Sample Input dan Output**

* *Input -*

1. Document collection

* **cisi.all**



.I 🡪 nomor dokumen

.T 🡪 judul dokumen

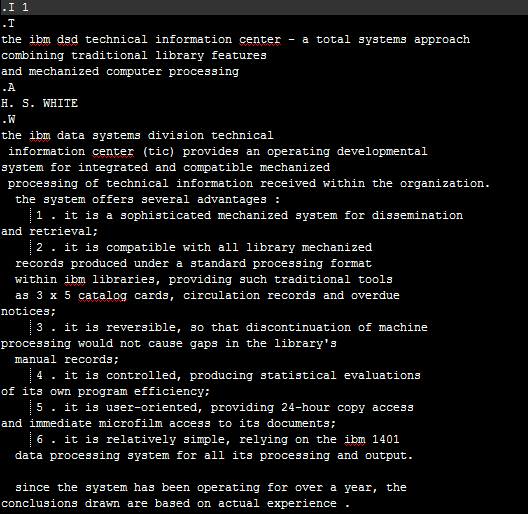
.A 🡪 nama pengarang dokumen

.W 🡪 isi dari dokumen

.X 🡪 index (diabaikan, tidak digunakan dalam eksperimen)

Jumlah dokumen yang terdapat dalam file input cisi.all adalah 1460 dokumen

* **adi.all**



.I 🡪 nomor dokumen

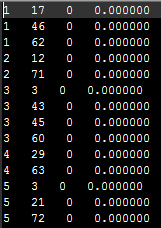
.T 🡪 judul dokumen

.A 🡪 nama pengarang dokumen

.W 🡪 isi dokumen

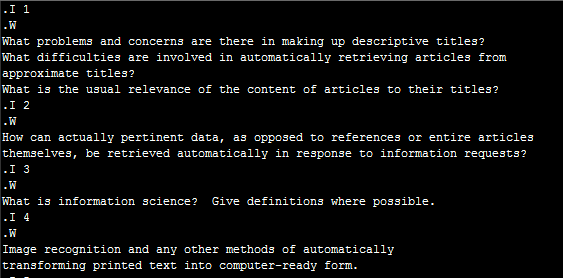
Jumlah dokumen yang terdapat dalam file input adi.all adalah 82 dokumen.

1. Relevance Judgement



Dari contoh masukan relevance judgement di atas, masukan yang diberikan sebagai relevant judgement adalah sebagai berikut:

* Kolom pertama adalah nomor query
* Kolom kedua adalah nomor dokumen yang relevan dengan query tersebut.
* Untuk query nomor 1, dokumen yang dinilai relevan adalah dokumen nomor 17, 46, dan 62.
* Kolom ketiga dan keempat diabaikan

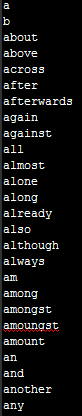
1. Query Set

.I 🡪 nomor query

.W 🡪 isi query

* Total query yang diberikan untuk dataset adi.all adalah 35 query, sedangkan query yang diberikan untuk dataset cisi.all adalah 112, namun yang akan kami gunakan dalam percobaan ini adalah subset dari query cisi.all, yang total jumlahnya adalah 10 query.

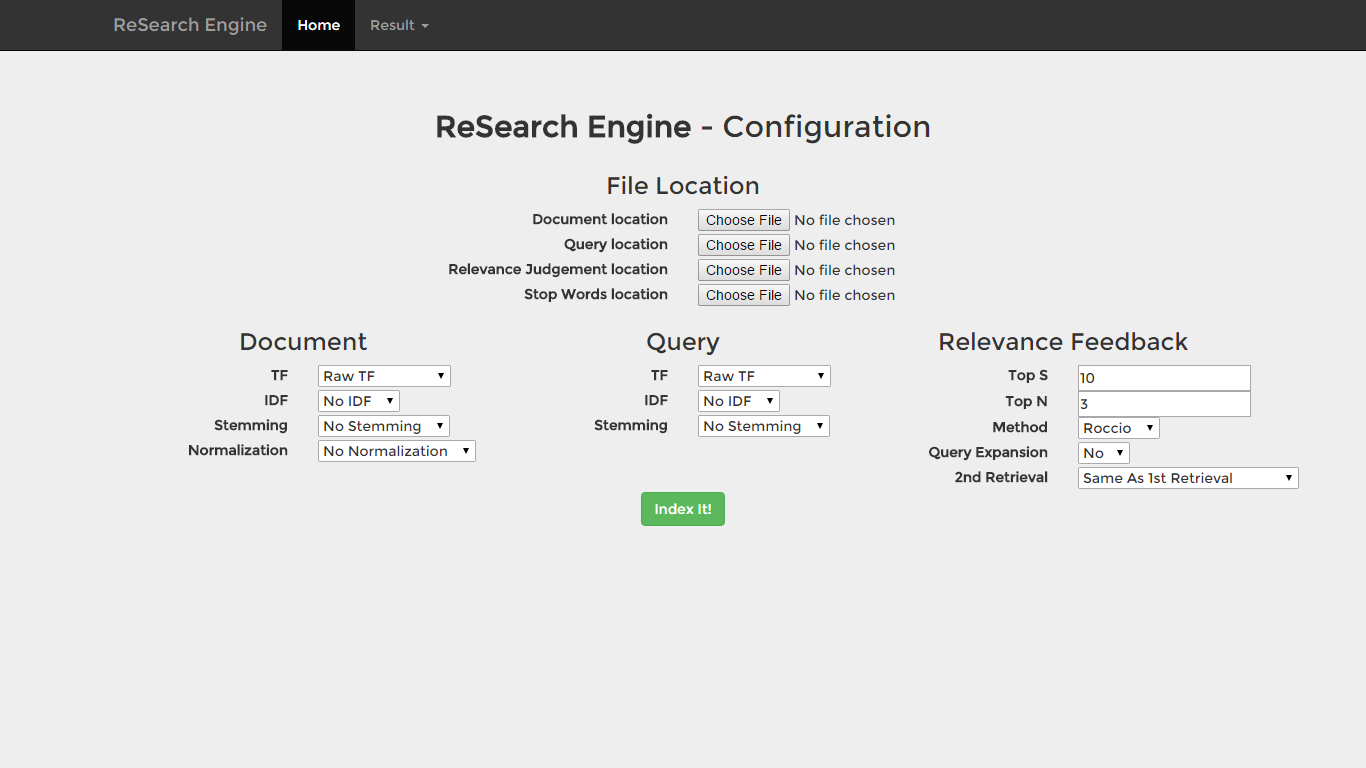
1. Stopwords



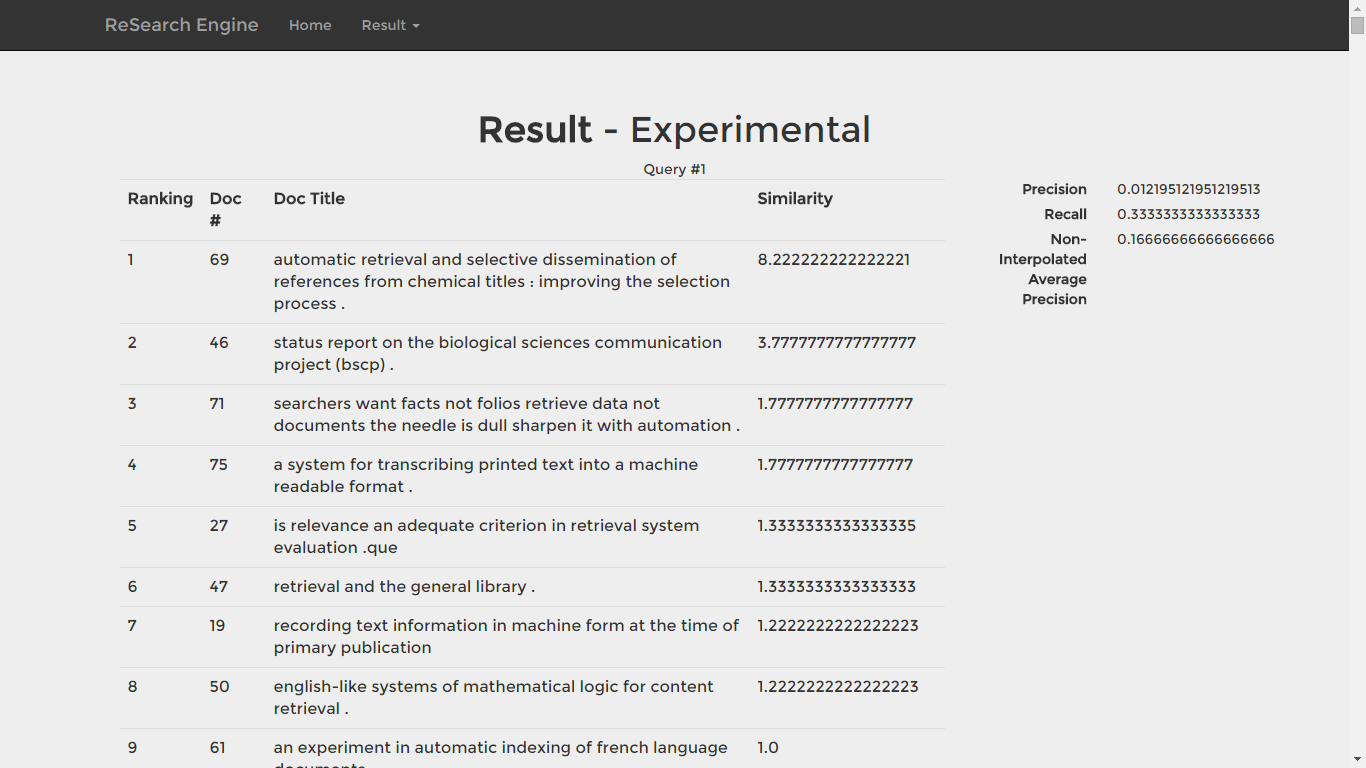
File masukan stopwords adalah file yang berisi kata-kata yang dapat diabaikan pada saat sistem melakukan penghitungan bobot serta tidak diperhitungkan sebagai term yang mempengaruhi similarity antara query dan dokumen.

* *Output –*

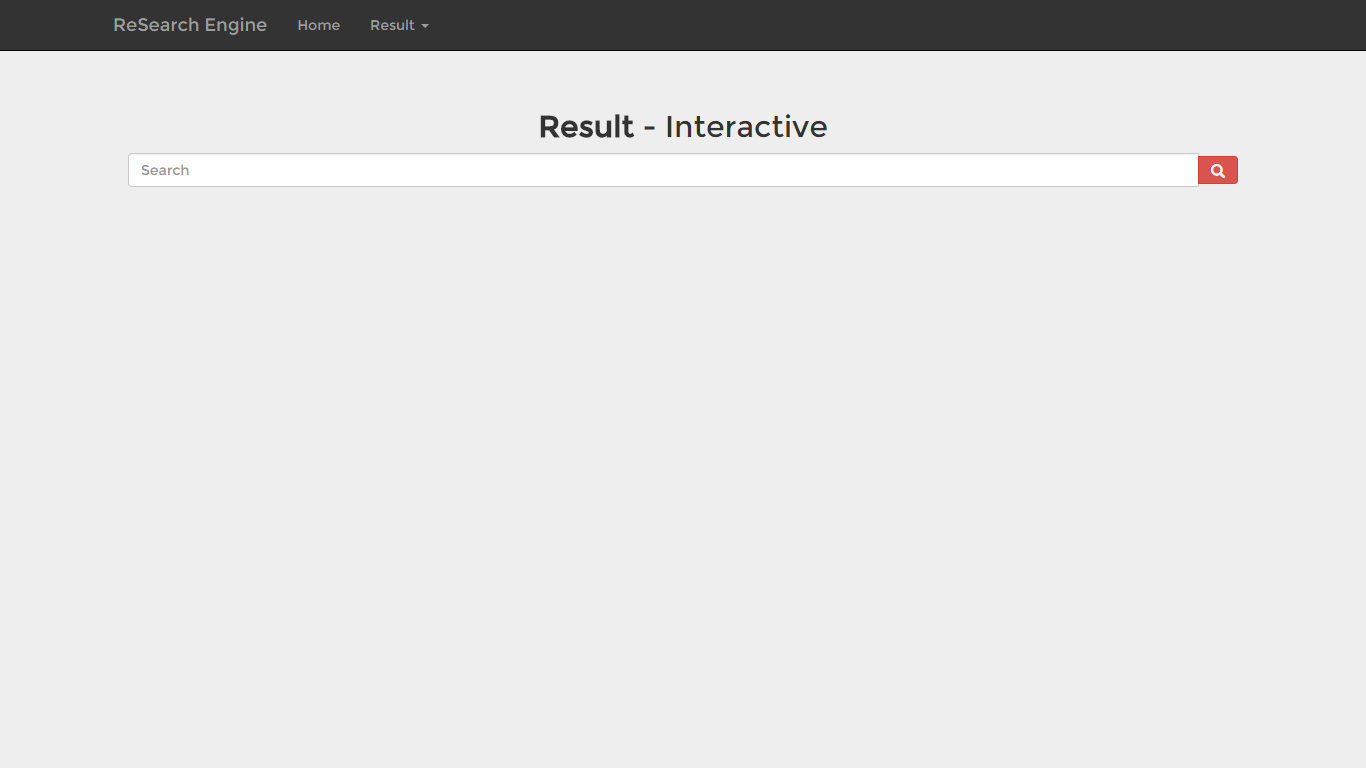
Berikut adalah *screenshot* layar dari program Search Engine:

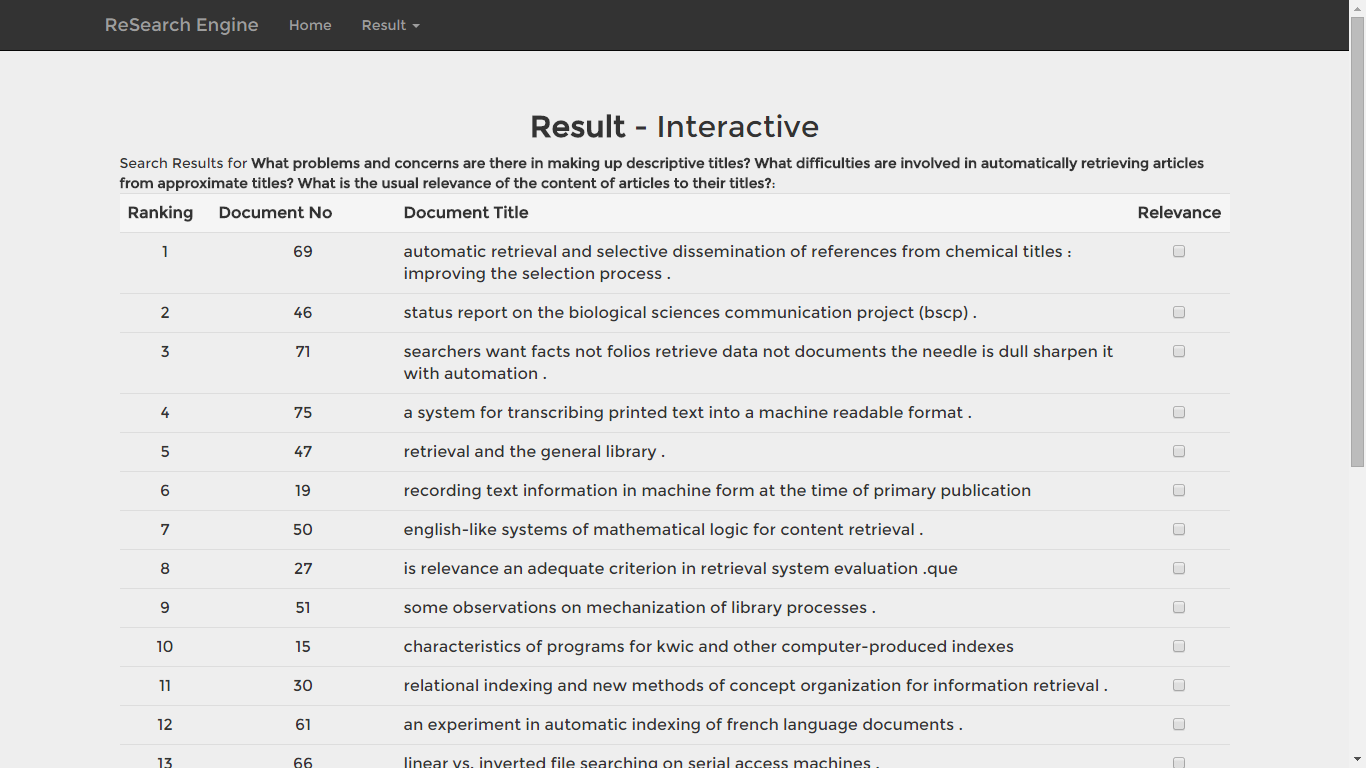


Gambar Layar Utama

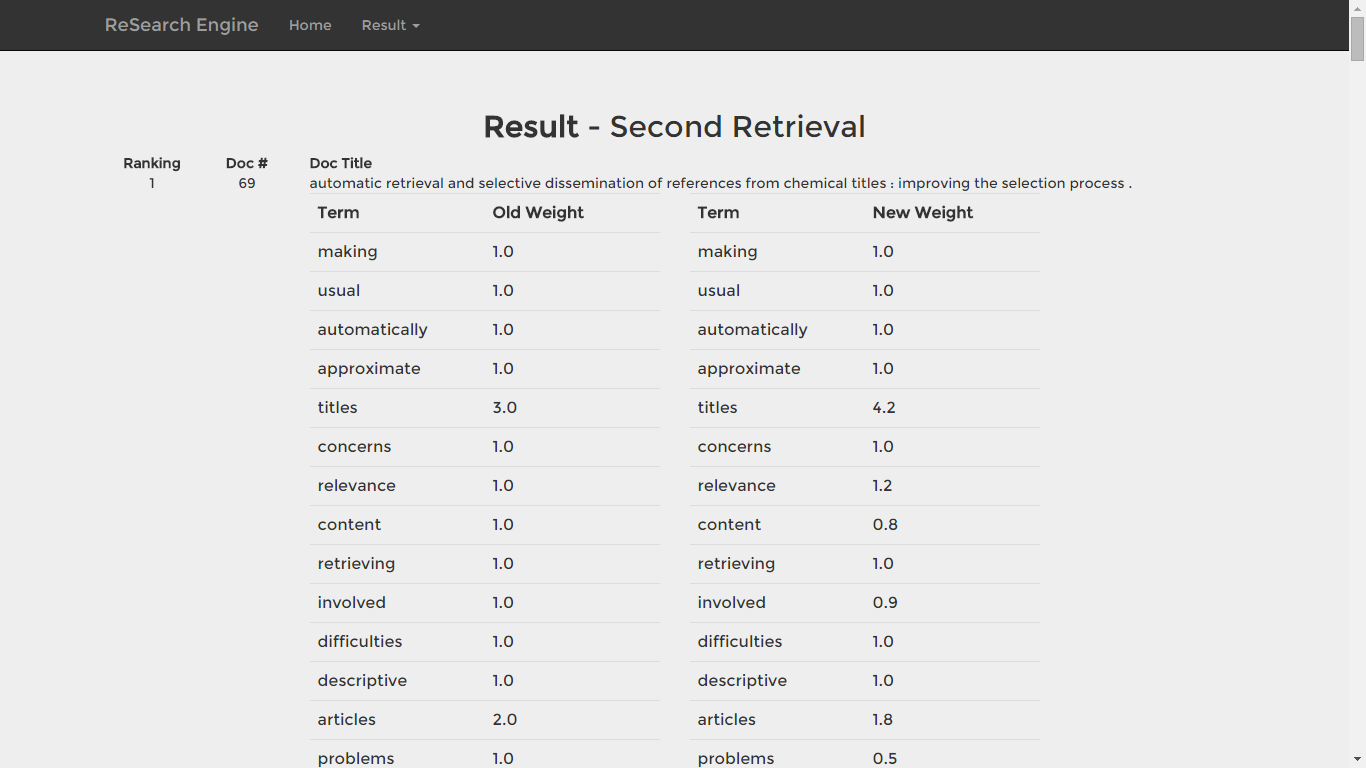


Gambar Layar Hasil Eksperimen untuk Test Collection ADI





Gambar Layar Hasil Interaktif Berdasarkan Query untuk Test Collection ADI



Gambar Layar Second Retrieval Berdasarkan Query untuk Test Collection ADI Pada Hasil Interaktif

**Hasil** **Eksperimen**

**CISI**

|  |
| --- |
|  |
| No TF | |  | Stemming | ⚫ |
| Raw TF | | ⚫ | IDF | ⚫ |
| Log TF | |  | Normalization |  |
| Augmented TF | |  |  |  |
| Binary TF | |  |  |  |

|  |
| --- |
|  |
| Roccio | | ⚫ |
| IDE Reg | |  |
| IDE Dec-Hi | |  |
| Pseudo | |  | Top N |  |
| Top S | | 20 |  |  |

1. Konfigurasi :

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 1.0  Precision : 0.031506849315068496  NIAP: 0.5626131120708884  Query no. 2  Avg Recall : 1.0  Precision : 0.01780821917808219  NIAP: 0.040135541223498675  Query no. 3  Avg Recall : 0.9318181818181818  Precision : 0.028082191780821917  NIAP: 0.2952562144276652  Query no. 4  Avg Recall : 1.0  Precision : 0.005479452054794521  NIAP: 0.0628079985679098  Query no. 5  Avg Recall : 0.9166666666666666  Precision : 0.015068493150684932  NIAP: 0.039236861487343  Query no. 6  Avg Recall : 1.0  Precision : 6.849315068493151E-4  NIAP: 1.0  Query no. 7  Avg Recall : 1.0  Precision : 0.005479452054794521  NIAP: 0.032165570032249326  Query no. 8  Avg Recall : 0.8333333333333334  Precision : 0.010273972602739725  NIAP: 0.0252682199781835  Query no. 9  Avg Recall : 0.9411764705882353  Precision : 0.021917808219178082  NIAP: 0.10903742262560882  Query no. 10  Avg Recall : 0.9230769230769231  Precision : 0.01643835616438356  NIAP: 0.1555343172713427  Query no. 11  Avg Recall : 0.9212598425196851  Precision : 0.08013698630136987  NIAP: 0.1992016130128259  Query no. 12  Avg Recall : 0.9230769230769231  Precision : 0.00821917808219178  NIAP: 0.03909275697170101  Query no. 13  Avg Recall : 0.9560439560439561  Precision : 0.05958904109589041  NIAP: 0.2816871903052333  Query no. 14  Avg Recall : 0.6666666666666666  Precision : 0.0013698630136986301  NIAP: 0.007471441803025625  Query no. 15  Avg Recall : 1.0  Precision : 0.056164383561643834  NIAP: 0.20799749324156766  Query no. 16  Avg Recall : 0.8076923076923077  Precision : 0.014383561643835616  NIAP: 0.054226030449895005  Query no. 17  Avg Recall : 0.9615384615384616  Precision : 0.017123287671232876  NIAP: 0.07992931862526002  Query no. 18  Avg Recall : 0.9135802469135802  Precision : 0.050684931506849315  NIAP: 0.30273091686760595  Query no. 19  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.19274613932340634  Query no. 20  Avg Recall : 0.84  Precision : 0.014383561643835616  NIAP: 0.12297753330856058  Query no. 21  Avg Recall : 0.7430555555555556  Precision : 0.07328767123287672  NIAP: 0.14835144376037898  Query no. 22  Avg Recall : 1.0  Precision : 0.03287671232876712  NIAP: 0.16240212624933306  Query no. 23  Avg Recall : 0.7924528301886793  Precision : 0.028767123287671233  NIAP: 0.08447154668642387  Query no. 24  Avg Recall : 0.9090909090909091  Precision : 0.02054794520547945  NIAP: 0.21967324278048625  Query no. 25  Avg Recall : 0.9423076923076923  Precision : 0.03356164383561644  NIAP: 0.35032438899522883  Query no. 26  Avg Recall : 0.9826086956521739  Precision : 0.0773972602739726  NIAP: 0.2553258606925896  Query no. 27  Avg Recall : 0.9642857142857143  Precision : 0.036986301369863014  NIAP: 0.3684631340512153  Query no. 28  Avg Recall : 0.9166666666666666  Precision : 0.030136986301369864  NIAP: 0.1885696422500114  Query no. 29  Avg Recall : 0.8166666666666667  Precision : 0.03356164383561644  NIAP: 0.15197709115174673  Query no. 30  Avg Recall : 0.8688524590163934  Precision : 0.036301369863013695  NIAP: 0.15631310165241952  Query no. 31  Avg Recall : 0.7835820895522388  Precision : 0.07191780821917808  NIAP: 0.3851178480658515  Query no. 32  Avg Recall : 0.9210526315789473  Precision : 0.023972602739726026  NIAP: 0.15885900259310368  Query no. 33  Avg Recall : 0.8837209302325582  Precision : 0.026027397260273973  NIAP: 0.1629790522316419  Query no. 34  Avg Recall : 0.9829059829059829  Precision : 0.07876712328767123  NIAP: 0.19262117269429951  Query no. 35  Avg Recall : 0.95  Precision : 0.013013698630136987  NIAP: 0.0730561934148364  Query no. 36  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 37  Avg Recall : 1.0  Precision : 0.012328767123287671  NIAP: 0.0984357400616816  Query no. 38  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 39  Avg Recall : 0.95  Precision : 0.026027397260273973  NIAP: 0.20907262683773647  Query no. 40  Avg Recall : 0.96  Precision : 0.03287671232876712  NIAP: 0.08045506939622875  Query no. 41  Avg Recall : 1.0  Precision : 0.008904109589041096  NIAP: 0.02994545913629875  Query no. 42  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 43  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.4037321202589221  Query no. 44  Avg Recall : 1.0  Precision : 0.07945205479452055  NIAP: 0.2988920937785177  Query no. 45  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 46  Avg Recall : 0.9225806451612903  Precision : 0.09794520547945205  NIAP: 0.28532065027694625  Query no. 47  Avg Recall : 0.987012987012987  Precision : 0.052054794520547946  NIAP: 0.1441605193619937  Query no. 48  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 49  Avg Recall : 0.9887640449438202  Precision : 0.06027397260273973  NIAP: 0.49159402602491226  Query no. 50  Avg Recall : 1.0  Precision : 0.023287671232876714  NIAP: 0.08208600448693716  Query no. 51  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 52  Avg Recall : 1.0  Precision : 0.012328767123287671  NIAP: 0.7847054300676164  Query no. 53  Avg Recall : 1.0  Precision : 0.03493150684931507  NIAP: 0.17021871263901342  Query no. 54  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 55  Avg Recall : 1.0  Precision : 0.010273972602739725  NIAP: 0.3923957483024872  Query no. 56  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 57  Avg Recall : 1.0  Precision : 0.031506849315068496  NIAP: 0.35893356822109607  Query no. 58  Avg Recall : 0.9444444444444444  Precision : 0.011643835616438357  NIAP: 0.16436634750467186  Query no. 59  Avg Recall : 0.9777777777777777  Precision : 0.030136986301369864  NIAP: 0.12863315481717646  Query no. 60  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 61  Avg Recall : 1.0  Precision : 0.00821917808219178  NIAP: 0.5576255268292364  Query no. 62  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.037338016776249386  Query no. 63  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 64  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 65  Avg Recall : 1.0  Precision : 0.010273972602739725  NIAP: 0.1071053742369951  Query no. 66  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 67  Avg Recall : 1.0  Precision : 0.018493150684931507  NIAP: 0.3049859799413156  Query no. 68  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 69  Avg Recall : 1.0  Precision : 0.008904109589041096  NIAP: 0.5242330386258648  Query no. 70  Avg Recall : 1.0  Precision : 0.023972602739726026  NIAP: 0.5104987993746766  Query no. 71  Avg Recall : 1.0  Precision : 0.021917808219178082  NIAP: 0.11992200343236627  Query no. 72  Avg Recall : 1.0  Precision : 0.0410958904109589  NIAP: 0.47211193359668713  Query no. 73  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 74  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 75  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.21992844841426218  Query no. 76  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 77  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 78  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 79  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 80  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 81  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.11944135912477481  Query no. 82  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 83  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 84  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.14009131884077144  Query no. 85  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 86  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 87  Avg Recall : 1.0  Precision : 0.00684931506849315  NIAP: 0.09223039404819736  Query no. 88  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 89  Avg Recall : 0.9473684210526315  Precision : 0.024657534246575342  NIAP: 0.14589701047192521  Query no. 90  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.3000697047706376  Query no. 91  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 92  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 93  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 94  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 95  Avg Recall : 1.0  Precision : 0.04794520547945205  NIAP: 0.10939176830995469  Query no. 96  Avg Recall : 1.0  Precision : 0.01643835616438356  NIAP: 0.3581369312452691  Query no. 97  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 98  Avg Recall : 0.9444444444444444  Precision : 0.011643835616438357  NIAP: 0.0853831213940768  Query no. 99  Avg Recall : 1.0  Precision : 6.849315068493151E-4  NIAP: 0.25  Query no. 100  Avg Recall : 1.0  Precision : 0.01986301369863014  NIAP: 0.35147896238186366  Query no. 101  Avg Recall : 1.0  Precision : 0.023287671232876714  NIAP: 0.3295802060523517  Query no. 102  Avg Recall : 1.0  Precision : 0.0061643835616438354  NIAP: 0.4093684239117033  Query no. 103  Avg Recall : 1.0  Precision : 0.00410958904109589  NIAP: 0.17372710848320605  Query no. 104  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 105  Avg Recall : 1.0  Precision : 0.00410958904109589  NIAP: 0.45520313020313014  Query no. 106  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 107  Avg Recall : 0.9859154929577465  Precision : 0.04794520547945205  NIAP: 0.16053396481188173  Query no. 108  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 109  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 110  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.05162544034763043  Query no. 111  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  **Average NIAP: 0.1551560337112554** |

|  |
| --- |
|  |
| No TF | |  | Stemming | ⚫ |
| Raw TF | | ⚫ | IDF | ⚫ |
| Log TF | |  | Normalization |  |
| Augmented TF | |  |  |  |
| Binary TF | |  |  |  |

|  |
| --- |
|  |
| Roccio | |  |
| IDE Reg | | ⚫ |
| IDE Dec-Hi | |  |
| Pseudo | |  | Top N |  |
| Top S | | 20 |  |  |

1. Konfigurasi :

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 0.9130434782608695  Precision : 0.028767123287671233  NIAP: 0.5516835469828854  Query no. 2  Avg Recall : 1.0  Precision : 0.01780821917808219  NIAP: 0.040049948985301495  Query no. 3  Avg Recall : 0.9318181818181818  Precision : 0.028082191780821917  NIAP: 0.2943627111946066  Query no. 4  Avg Recall : 1.0  Precision : 0.005479452054794521  NIAP: 0.06305006447482943  Query no. 5  Avg Recall : 0.9166666666666666  Precision : 0.015068493150684932  NIAP: 0.03924249350366084  Query no. 6  Avg Recall : 1.0  Precision : 6.849315068493151E-4  NIAP: 1.0  Query no. 7  Avg Recall : 1.0  Precision : 0.005479452054794521  NIAP: 0.032165570032249326  Query no. 8  Avg Recall : 0.8333333333333334  Precision : 0.010273972602739725  NIAP: 0.025315070131287146  Query no. 9  Avg Recall : 0.9411764705882353  Precision : 0.021917808219178082  NIAP: 0.10912008201343026  Query no. 10  Avg Recall : 0.9230769230769231  Precision : 0.01643835616438356  NIAP: 0.15557449418085023  Query no. 11  Avg Recall : 0.9212598425196851  Precision : 0.08013698630136987  NIAP: 0.19912977767056517  Query no. 12  Avg Recall : 0.9230769230769231  Precision : 0.00821917808219178  NIAP: 0.03914586327280064  Query no. 13  Avg Recall : 0.9560439560439561  Precision : 0.05958904109589041  NIAP: 0.2818562035345073  Query no. 14  Avg Recall : 0.6666666666666666  Precision : 0.0013698630136986301  NIAP: 0.006868301640270494  Query no. 15  Avg Recall : 1.0  Precision : 0.056164383561643834  NIAP: 0.20800250845651191  Query no. 16  Avg Recall : 0.8076923076923077  Precision : 0.014383561643835616  NIAP: 0.054157432360884425  Query no. 17  Avg Recall : 0.9615384615384616  Precision : 0.017123287671232876  NIAP: 0.08027223300608538  Query no. 18  Avg Recall : 0.9135802469135802  Precision : 0.050684931506849315  NIAP: 0.30151877155343276  Query no. 19  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.19273799667623576  Query no. 20  Avg Recall : 0.84  Precision : 0.014383561643835616  NIAP: 0.12271504486869761  Query no. 21  Avg Recall : 0.7430555555555556  Precision : 0.07328767123287672  NIAP: 0.14870287516167638  Query no. 22  Avg Recall : 1.0  Precision : 0.03287671232876712  NIAP: 0.1623992641580427  Query no. 23  Avg Recall : 0.7924528301886793  Precision : 0.028767123287671233  NIAP: 0.08359031548508088  Query no. 24  Avg Recall : 0.9090909090909091  Precision : 0.02054794520547945  NIAP: 0.220188587634775  Query no. 25  Avg Recall : 0.9423076923076923  Precision : 0.03356164383561644  NIAP: 0.34949580446764994  Query no. 26  Avg Recall : 0.9826086956521739  Precision : 0.0773972602739726  NIAP: 0.2554838886881794  Query no. 27  Avg Recall : 0.9642857142857143  Precision : 0.036986301369863014  NIAP: 0.36854554040558896  Query no. 28  Avg Recall : 0.9166666666666666  Precision : 0.030136986301369864  NIAP: 0.18843623932676534  Query no. 29  Avg Recall : 0.8166666666666667  Precision : 0.03356164383561644  NIAP: 0.15171707749525679  Query no. 30  Avg Recall : 0.8688524590163934  Precision : 0.036301369863013695  NIAP: 0.15694590055315732  Query no. 31  Avg Recall : 0.7835820895522388  Precision : 0.07191780821917808  NIAP: 0.3845320541030124  Query no. 32  Avg Recall : 0.9210526315789473  Precision : 0.023972602739726026  NIAP: 0.15889107669498548  Query no. 33  Avg Recall : 0.8837209302325582  Precision : 0.026027397260273973  NIAP: 0.1628933577568012  Query no. 34  Avg Recall : 0.9829059829059829  Precision : 0.07876712328767123  NIAP: 0.19259625256084467  Query no. 35  Avg Recall : 0.95  Precision : 0.013013698630136987  NIAP: 0.07302416731266578  Query no. 36  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 37  Avg Recall : 1.0  Precision : 0.012328767123287671  NIAP: 0.0984357400616816  Query no. 38  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 39  Avg Recall : 0.95  Precision : 0.026027397260273973  NIAP: 0.2090589746084493  Query no. 40  Avg Recall : 0.96  Precision : 0.03287671232876712  NIAP: 0.08045005663116644  Query no. 41  Avg Recall : 1.0  Precision : 0.008904109589041096  NIAP: 0.02994545913629875  Query no. 42  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 43  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.4037321202589221  Query no. 44  Avg Recall : 1.0  Precision : 0.07945205479452055  NIAP: 0.2988909964523676  Query no. 45  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 46  Avg Recall : 0.9225806451612903  Precision : 0.09794520547945205  NIAP: 0.2852935777634323  Query no. 47  Avg Recall : 0.987012987012987  Precision : 0.052054794520547946  NIAP: 0.14410126055303574  Query no. 48  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 49  Avg Recall : 0.9887640449438202  Precision : 0.06027397260273973  NIAP: 0.49160005735196244  Query no. 50  Avg Recall : 1.0  Precision : 0.023287671232876714  NIAP: 0.08208982292728308  Query no. 51  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 52  Avg Recall : 1.0  Precision : 0.012328767123287671  NIAP: 0.7847114166038964  Query no. 53  Avg Recall : 1.0  Precision : 0.03493150684931507  NIAP: 0.17020326753257983  Query no. 54  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 55  Avg Recall : 1.0  Precision : 0.010273972602739725  NIAP: 0.3923957483024872  Query no. 56  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 57  Avg Recall : 1.0  Precision : 0.031506849315068496  NIAP: 0.35893356822109607  Query no. 58  Avg Recall : 0.9444444444444444  Precision : 0.011643835616438357  NIAP: 0.16436429004091957  Query no. 59  Avg Recall : 0.9777777777777777  Precision : 0.030136986301369864  NIAP: 0.12863156973946444  Query no. 60  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 61  Avg Recall : 1.0  Precision : 0.00821917808219178  NIAP: 0.5576255268292364  Query no. 62  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.03733961116527553  Query no. 63  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 64  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 65  Avg Recall : 1.0  Precision : 0.010273972602739725  NIAP: 0.1071053742369951  Query no. 66  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 67  Avg Recall : 1.0  Precision : 0.018493150684931507  NIAP: 0.3049859799413156  Query no. 68  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 69  Avg Recall : 1.0  Precision : 0.008904109589041096  NIAP: 0.5242330386258648  Query no. 70  Avg Recall : 1.0  Precision : 0.023972602739726026  NIAP: 0.5105013189073536  Query no. 71  Avg Recall : 1.0  Precision : 0.021917808219178082  NIAP: 0.11992200343236627  Query no. 72  Avg Recall : 1.0  Precision : 0.0410958904109589  NIAP: 0.4721145743836416  Query no. 73  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 74  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 75  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.21992844841426218  Query no. 76  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 77  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 78  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 79  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 80  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 81  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.11944135912477481  Query no. 82  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 83  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 84  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.14009131884077144  Query no. 85  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 86  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 87  Avg Recall : 1.0  Precision : 0.00684931506849315  NIAP: 0.09221832877506975  Query no. 88  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 89  Avg Recall : 0.9473684210526315  Precision : 0.024657534246575342  NIAP: 0.14587573560551245  Query no. 90  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.3000697047706376  Query no. 91  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 92  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 93  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 94  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 95  Avg Recall : 1.0  Precision : 0.04794520547945205  NIAP: 0.10939127619607954  Query no. 96  Avg Recall : 1.0  Precision : 0.01643835616438356  NIAP: 0.3581369312452691  Query no. 97  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 98  Avg Recall : 0.9444444444444444  Precision : 0.011643835616438357  NIAP: 0.0853801536788828  Query no. 99  Avg Recall : 1.0  Precision : 6.849315068493151E-4  NIAP: 0.25  Query no. 100  Avg Recall : 1.0  Precision : 0.01986301369863014  NIAP: 0.3514782603525778  Query no. 101  Avg Recall : 1.0  Precision : 0.023287671232876714  NIAP: 0.32958173995152346  Query no. 102  Avg Recall : 1.0  Precision : 0.0061643835616438354  NIAP: 0.4093684239117033  Query no. 103  Avg Recall : 1.0  Precision : 0.00410958904109589  NIAP: 0.17372710848320605  Query no. 104  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 105  Avg Recall : 1.0  Precision : 0.00410958904109589  NIAP: 0.45520313020313014  Query no. 106  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 107  Avg Recall : 0.9859154929577465  Precision : 0.04794520547945205  NIAP: 0.16053396481188173  Query no. 108  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 109  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 110  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.05162544034763043  Query no. 111  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  **Average NIAP: 0.15502792138181773** |

|  |
| --- |
|  |
| No TF | |  | Stemming | ⚫ |
| Raw TF | | ⚫ | IDF | ⚫ |
| Log TF | |  | Normalization |  |
| Augmented TF | |  |  |  |
| Binary TF | |  |  |  |

|  |
| --- |
|  |
| Roccio | |  |
| IDE Reg | |  |
| IDE Dec-Hi | | ⚫ |
| Pseudo | |  | Top N |  |
| Top S | | 20 |  |  |

1. Konfigurasi:

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 1.0  Precision : 0.031506849315068496  NIAP: 0.5816999739326384  Query no. 2  Avg Recall : 1.0  Precision : 0.01780821917808219  NIAP: 0.04007915247269393  Query no. 3  Avg Recall : 0.9318181818181818  Precision : 0.028082191780821917  NIAP: 0.29482232959932014  Query no. 4  Avg Recall : 1.0  Precision : 0.005479452054794521  NIAP: 0.0629307756564127  Query no. 5  Avg Recall : 0.9166666666666666  Precision : 0.015068493150684932  NIAP: 0.03923218201076329  Query no. 6  Avg Recall : 1.0  Precision : 6.849315068493151E-4  NIAP: 1.0  Query no. 7  Avg Recall : 1.0  Precision : 0.005479452054794521  NIAP: 0.032165570032249326  Query no. 8  Avg Recall : 0.8333333333333334  Precision : 0.010273972602739725  NIAP: 0.02532407778466976  Query no. 9  Avg Recall : 0.9411764705882353  Precision : 0.021917808219178082  NIAP: 0.10911707527509404  Query no. 10  Avg Recall : 0.9230769230769231  Precision : 0.01643835616438356  NIAP: 0.15544029915351615  Query no. 11  Avg Recall : 0.9212598425196851  Precision : 0.08013698630136987  NIAP: 0.19924700715365842  Query no. 12  Avg Recall : 0.9230769230769231  Precision : 0.00821917808219178  NIAP: 0.039132316912860905  Query no. 13  Avg Recall : 0.9560439560439561  Precision : 0.05958904109589041  NIAP: 0.2817247312305631  Query no. 14  Avg Recall : 0.6666666666666666  Precision : 0.0013698630136986301  NIAP: 0.0071379625399725895  Query no. 15  Avg Recall : 1.0  Precision : 0.056164383561643834  NIAP: 0.20800039112559449  Query no. 16  Avg Recall : 0.8076923076923077  Precision : 0.014383561643835616  NIAP: 0.054272602371927055  Query no. 17  Avg Recall : 0.9615384615384616  Precision : 0.017123287671232876  NIAP: 0.07981768278715351  Query no. 18  Avg Recall : 0.9135802469135802  Precision : 0.050684931506849315  NIAP: 0.30043856574446215  Query no. 19  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.19292000623880315  Query no. 20  Avg Recall : 0.84  Precision : 0.014383561643835616  NIAP: 0.12311768435746628  Query no. 21  Avg Recall : 0.7430555555555556  Precision : 0.07328767123287672  NIAP: 0.14921034698427535  Query no. 22  Avg Recall : 1.0  Precision : 0.03287671232876712  NIAP: 0.16240748975040678  Query no. 23  Avg Recall : 0.7924528301886793  Precision : 0.028767123287671233  NIAP: 0.08390855101971229  Query no. 24  Avg Recall : 0.9090909090909091  Precision : 0.02054794520547945  NIAP: 0.21968670516496874  Query no. 25  Avg Recall : 0.9423076923076923  Precision : 0.03356164383561644  NIAP: 0.3494682111255797  Query no. 26  Avg Recall : 0.9826086956521739  Precision : 0.0773972602739726  NIAP: 0.2554920656575483  Query no. 27  Avg Recall : 0.9642857142857143  Precision : 0.036986301369863014  NIAP: 0.36845411147511486  Query no. 28  Avg Recall : 0.9166666666666666  Precision : 0.030136986301369864  NIAP: 0.18796733986080238  Query no. 29  Avg Recall : 0.8166666666666667  Precision : 0.03356164383561644  NIAP: 0.15178241493380298  Query no. 30  Avg Recall : 0.8688524590163934  Precision : 0.036301369863013695  NIAP: 0.15648615791495948  Query no. 31  Avg Recall : 0.7835820895522388  Precision : 0.07191780821917808  NIAP: 0.382838960249637  Query no. 32  Avg Recall : 0.9210526315789473  Precision : 0.023972602739726026  NIAP: 0.15875487006622188  Query no. 33  Avg Recall : 0.8837209302325582  Precision : 0.026027397260273973  NIAP: 0.16300312918354742  Query no. 34  Avg Recall : 0.9829059829059829  Precision : 0.07876712328767123  NIAP: 0.1926039521598654  Query no. 35  Avg Recall : 0.95  Precision : 0.013013698630136987  NIAP: 0.07309189912714568  Query no. 36  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 37  Avg Recall : 1.0  Precision : 0.012328767123287671  NIAP: 0.0984357400616816  Query no. 38  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 39  Avg Recall : 0.95  Precision : 0.026027397260273973  NIAP: 0.20908084407464805  Query no. 40  Avg Recall : 0.96  Precision : 0.03287671232876712  NIAP: 0.08046582130267042  Query no. 41  Avg Recall : 1.0  Precision : 0.008904109589041096  NIAP: 0.02994545913629875  Query no. 42  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 43  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.4037321202589221  Query no. 44  Avg Recall : 1.0  Precision : 0.07945205479452055  NIAP: 0.2988909964523676  Query no. 45  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 46  Avg Recall : 0.9225806451612903  Precision : 0.09794520547945205  NIAP: 0.28528040286054646  Query no. 47  Avg Recall : 0.987012987012987  Precision : 0.052054794520547946  NIAP: 0.14410671048278814  Query no. 48  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 49  Avg Recall : 0.9887640449438202  Precision : 0.06027397260273973  NIAP: 0.49157732321203074  Query no. 50  Avg Recall : 1.0  Precision : 0.023287671232876714  NIAP: 0.08209078215351923  Query no. 51  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 52  Avg Recall : 1.0  Precision : 0.012328767123287671  NIAP: 0.7847144254619746  Query no. 53  Avg Recall : 1.0  Precision : 0.03493150684931507  NIAP: 0.170204968002221  Query no. 54  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 55  Avg Recall : 1.0  Precision : 0.010273972602739725  NIAP: 0.3923957483024872  Query no. 56  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 57  Avg Recall : 1.0  Precision : 0.031506849315068496  NIAP: 0.35893356822109607  Query no. 58  Avg Recall : 0.9444444444444444  Precision : 0.011643835616438357  NIAP: 0.1643691072305954  Query no. 59  Avg Recall : 0.9777777777777777  Precision : 0.030136986301369864  NIAP: 0.1286349150917142  Query no. 60  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 61  Avg Recall : 1.0  Precision : 0.00821917808219178  NIAP: 0.5576255268292364  Query no. 62  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.037350115248131734  Query no. 63  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 64  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 65  Avg Recall : 1.0  Precision : 0.010273972602739725  NIAP: 0.1071053742369951  Query no. 66  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 67  Avg Recall : 1.0  Precision : 0.018493150684931507  NIAP: 0.3049859799413156  Query no. 68  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 69  Avg Recall : 1.0  Precision : 0.008904109589041096  NIAP: 0.5242330386258648  Query no. 70  Avg Recall : 1.0  Precision : 0.023972602739726026  NIAP: 0.5104969201817273  Query no. 71  Avg Recall : 1.0  Precision : 0.021917808219178082  NIAP: 0.11992200343236627  Query no. 72  Avg Recall : 1.0  Precision : 0.0410958904109589  NIAP: 0.47211193359668713  Query no. 73  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 74  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 75  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.21992844841426218  Query no. 76  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 77  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 78  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 79  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 80  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 81  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.11944135912477481  Query no. 82  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 83  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 84  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.14009131884077144  Query no. 85  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 86  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 87  Avg Recall : 1.0  Precision : 0.00684931506849315  NIAP: 0.09221832877506975  Query no. 88  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 89  Avg Recall : 0.9473684210526315  Precision : 0.024657534246575342  NIAP: 0.14590777353511655  Query no. 90  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.3000697047706376  Query no. 91  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 92  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 93  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 94  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 95  Avg Recall : 1.0  Precision : 0.04794520547945205  NIAP: 0.10939176830995469  Query no. 96  Avg Recall : 1.0  Precision : 0.01643835616438356  NIAP: 0.3581369312452691  Query no. 97  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 98  Avg Recall : 0.9444444444444444  Precision : 0.011643835616438357  NIAP: 0.0853821561393953  Query no. 99  Avg Recall : 1.0  Precision : 6.849315068493151E-4  NIAP: 0.25  Query no. 100  Avg Recall : 1.0  Precision : 0.01986301369863014  NIAP: 0.3514803699771068  Query no. 101  Avg Recall : 1.0  Precision : 0.023287671232876714  NIAP: 0.32958071662112537  Query no. 102  Avg Recall : 1.0  Precision : 0.0061643835616438354  NIAP: 0.4093684239117033  Query no. 103  Avg Recall : 1.0  Precision : 0.00410958904109589  NIAP: 0.17372710848320605  Query no. 104  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 105  Avg Recall : 1.0  Precision : 0.00410958904109589  NIAP: 0.45520313020313014  Query no. 106  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 107  Avg Recall : 0.9859154929577465  Precision : 0.04794520547945205  NIAP: 0.16053396481188173  Query no. 108  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 109  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 110  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.05162544034763043  Query no. 111  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  **Average NIAP: 0.15527279784787798** |

|  |
| --- |
|  |
| No TF | |  | Stemming | ⚫ |
| Raw TF | | ⚫ | IDF | ⚫ |
| Log TF | |  | Normalization |  |
| Augmented TF | |  |  |  |
| Binary TF | |  |  |  |

|  |
| --- |
|  |
| Roccio | | ⚫ |
| IDE Reg | |  |
| IDE Dec-Hi | |  |
| Pseudo | | ⚫ | Top N | 10 |
| Top S | | 20 |  |  |

1. Konfigurasi:

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 1.0  Precision : 0.031506849315068496  NIAP: 0.5613096216686307  Query no. 2  Avg Recall : 1.0  Precision : 0.01780821917808219  NIAP: 0.04020039078175112  Query no. 3  Avg Recall : 0.9318181818181818  Precision : 0.028082191780821917  NIAP: 0.2945724063537931  Query no. 4  Avg Recall : 1.0  Precision : 0.005479452054794521  NIAP: 0.06362164714325069  Query no. 5  Avg Recall : 0.9166666666666666  Precision : 0.015068493150684932  NIAP: 0.039241150509482264  Query no. 6  Avg Recall : 1.0  Precision : 6.849315068493151E-4  NIAP: 1.0  Query no. 7  Avg Recall : 1.0  Precision : 0.005479452054794521  NIAP: 0.032165570032249326  Query no. 8  Avg Recall : 0.8333333333333334  Precision : 0.010273972602739725  NIAP: 0.025271148354419504  Query no. 9  Avg Recall : 0.9411764705882353  Precision : 0.021917808219178082  NIAP: 0.10908499974013962  Query no. 10  Avg Recall : 0.9230769230769231  Precision : 0.01643835616438356  NIAP: 0.1555151949759583  Query no. 11  Avg Recall : 0.9212598425196851  Precision : 0.08013698630136987  NIAP: 0.19910028768621982  Query no. 12  Avg Recall : 0.9230769230769231  Precision : 0.00821917808219178  NIAP: 0.039078113361757816  Query no. 13  Avg Recall : 0.9560439560439561  Precision : 0.05958904109589041  NIAP: 0.28180250852164646  Query no. 14  Avg Recall : 0.6666666666666666  Precision : 0.0013698630136986301  NIAP: 0.007730364873222016  Query no. 15  Avg Recall : 1.0  Precision : 0.056164383561643834  NIAP: 0.20797201706995866  Query no. 16  Avg Recall : 0.8076923076923077  Precision : 0.014383561643835616  NIAP: 0.05420940185799582  Query no. 17  Avg Recall : 0.9615384615384616  Precision : 0.017123287671232876  NIAP: 0.07992400971019425  Query no. 18  Avg Recall : 0.9135802469135802  Precision : 0.050684931506849315  NIAP: 0.30227347228940105  Query no. 19  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.19294922096244935  Query no. 20  Avg Recall : 0.84  Precision : 0.014383561643835616  NIAP: 0.12377656081652562  Query no. 21  Avg Recall : 0.7430555555555556  Precision : 0.07328767123287672  NIAP: 0.1483176298210508  Query no. 22  Avg Recall : 1.0  Precision : 0.03287671232876712  NIAP: 0.1623911132721515  Query no. 23  Avg Recall : 0.7924528301886793  Precision : 0.028767123287671233  NIAP: 0.08357084776253154  Query no. 24  Avg Recall : 0.9090909090909091  Precision : 0.02054794520547945  NIAP: 0.22022577600105947  Query no. 25  Avg Recall : 0.9423076923076923  Precision : 0.03356164383561644  NIAP: 0.34961631033854823  Query no. 26  Avg Recall : 0.9826086956521739  Precision : 0.0773972602739726  NIAP: 0.2553227007826286  Query no. 27  Avg Recall : 0.9642857142857143  Precision : 0.036986301369863014  NIAP: 0.3687144757694396  Query no. 28  Avg Recall : 0.9166666666666666  Precision : 0.030136986301369864  NIAP: 0.18813726231197425  Query no. 29  Avg Recall : 0.8166666666666667  Precision : 0.03356164383561644  NIAP: 0.15160034356092777  Query no. 30  Avg Recall : 0.8688524590163934  Precision : 0.036301369863013695  NIAP: 0.1569703559796963  Query no. 31  Avg Recall : 0.7835820895522388  Precision : 0.07191780821917808  NIAP: 0.38420941618190296  Query no. 32  Avg Recall : 0.9210526315789473  Precision : 0.023972602739726026  NIAP: 0.15879471090672273  Query no. 33  Avg Recall : 0.8837209302325582  Precision : 0.026027397260273973  NIAP: 0.16327835526535128  Query no. 34  Avg Recall : 0.9829059829059829  Precision : 0.07876712328767123  NIAP: 0.19256510708302185  Query no. 35  Avg Recall : 0.95  Precision : 0.013013698630136987  NIAP: 0.07307879819977374  Query no. 36  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 37  Avg Recall : 1.0  Precision : 0.012328767123287671  NIAP: 0.0984357400616816  Query no. 38  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 39  Avg Recall : 0.95  Precision : 0.026027397260273973  NIAP: 0.2090572083055416  Query no. 40  Avg Recall : 0.96  Precision : 0.03287671232876712  NIAP: 0.08045297938534673  Query no. 41  Avg Recall : 1.0  Precision : 0.008904109589041096  NIAP: 0.02994545913629875  Query no. 42  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 43  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.4037321202589221  Query no. 44  Avg Recall : 1.0  Precision : 0.07945205479452055  NIAP: 0.2988909964523676  Query no. 45  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 46  Avg Recall : 0.9225806451612903  Precision : 0.09794520547945205  NIAP: 0.2853057167608231  Query no. 47  Avg Recall : 0.987012987012987  Precision : 0.052054794520547946  NIAP: 0.14412796253314986  Query no. 48  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 49  Avg Recall : 0.9887640449438202  Precision : 0.06027397260273973  NIAP: 0.49159947406477844  Query no. 50  Avg Recall : 1.0  Precision : 0.023287671232876714  NIAP: 0.08208844406211002  Query no. 51  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 52  Avg Recall : 1.0  Precision : 0.012328767123287671  NIAP: 0.7847084181570918  Query no. 53  Avg Recall : 1.0  Precision : 0.03493150684931507  NIAP: 0.17021054773389913  Query no. 54  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 55  Avg Recall : 1.0  Precision : 0.010273972602739725  NIAP: 0.3924039438482081  Query no. 56  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 57  Avg Recall : 1.0  Precision : 0.031506849315068496  NIAP: 0.35893356822109607  Query no. 58  Avg Recall : 0.9444444444444444  Precision : 0.011643835616438357  NIAP: 0.16436634750467186  Query no. 59  Avg Recall : 0.9777777777777777  Precision : 0.030136986301369864  NIAP: 0.12863315481717646  Query no. 60  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 61  Avg Recall : 1.0  Precision : 0.00821917808219178  NIAP: 0.5576255268292364  Query no. 62  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.037338016776249386  Query no. 63  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 64  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 65  Avg Recall : 1.0  Precision : 0.010273972602739725  NIAP: 0.1071053742369951  Query no. 66  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 67  Avg Recall : 1.0  Precision : 0.018493150684931507  NIAP: 0.3049859799413156  Query no. 68  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 69  Avg Recall : 1.0  Precision : 0.008904109589041096  NIAP: 0.5242330386258648  Query no. 70  Avg Recall : 1.0  Precision : 0.023972602739726026  NIAP: 0.5104950498808583  Query no. 71  Avg Recall : 1.0  Precision : 0.021917808219178082  NIAP: 0.11992200343236627  Query no. 72  Avg Recall : 1.0  Precision : 0.0410958904109589  NIAP: 0.47210667856335053  Query no. 73  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 74  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 75  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.21992844841426218  Query no. 76  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 77  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 78  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 79  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 80  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 81  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.11944135912477481  Query no. 82  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 83  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 84  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.14009131884077144  Query no. 85  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 86  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 87  Avg Recall : 1.0  Precision : 0.00684931506849315  NIAP: 0.09221832877506975  Query no. 88  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 89  Avg Recall : 0.9473684210526315  Precision : 0.024657534246575342  NIAP: 0.14592281700955714  Query no. 90  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.3000697047706376  Query no. 91  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 92  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 93  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 94  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 95  Avg Recall : 1.0  Precision : 0.04794520547945205  NIAP: 0.10939176830995469  Query no. 96  Avg Recall : 1.0  Precision : 0.01643835616438356  NIAP: 0.3581369312452691  Query no. 97  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 98  Avg Recall : 0.9444444444444444  Precision : 0.011643835616438357  NIAP: 0.08538501454811916  Query no. 99  Avg Recall : 1.0  Precision : 6.849315068493151E-4  NIAP: 0.25  Query no. 100  Avg Recall : 1.0  Precision : 0.01986301369863014  NIAP: 0.3514782603525778  Query no. 101  Avg Recall : 1.0  Precision : 0.023287671232876714  NIAP: 0.3295802060523517  Query no. 102  Avg Recall : 1.0  Precision : 0.0061643835616438354  NIAP: 0.4093684239117033  Query no. 103  Avg Recall : 1.0  Precision : 0.00410958904109589  NIAP: 0.17372710848320605  Query no. 104  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 105  Avg Recall : 1.0  Precision : 0.00410958904109589  NIAP: 0.45520313020313014  Query no. 106  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 107  Avg Recall : 0.9859154929577465  Precision : 0.04794520547945205  NIAP: 0.16053396481188173  Query no. 108  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 109  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 110  Avg Recall : 1.0  Precision : 0.007534246575342466  NIAP: 0.05162544034763043  Query no. 111  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  **Average NIAP: 0.1551374755780011** |

**ADI**

|  |
| --- |
|  |
| No TF | |  | Stemming | ⚫ |
| Raw TF | | ⚫ | IDF | ⚫ |
| Log TF | |  | Normalization |  |
| Augmented TF | |  |  |  |
| Binary TF | |  |  |  |

|  |
| --- |
|  |
| Roccio | | ⚫ |
| IDE Reg | |  |
| IDE Dec-Hi | |  |
| Pseudo | |  | Top N |  |
| Top S | | 20 |  |  |

1. Konfigurasi:

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.41746031746031736  Query no. 2  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.14545454545454545  Query no. 3  Avg Recall : 1.0  Precision : 0.04878048780487805  NIAP: 0.7784090909090909  Query no. 4  Avg Recall : 0.5  Precision : 0.012195121951219513  NIAP: 0.5  Query no. 5  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.6666666666666666  Query no. 6  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.3269230769230769  Query no. 7  Avg Recall : 1.0  Precision : 0.04878048780487805  NIAP: 0.18757246376811593  Query no. 8  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 1.0  Query no. 9  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.2712765957446808  Query no. 10  Avg Recall : 1.0  Precision : 0.06097560975609756  NIAP: 0.2763941102756892  Query no. 11  Avg Recall : 0.75  Precision : 0.036585365853658534  NIAP: 0.05116421568627451  Query no. 12  Avg Recall : 1.0  Precision : 0.06097560975609756  NIAP: 0.5676190476190477  Query no. 13  Avg Recall : 1.0  Precision : 0.07317073170731707  NIAP: 0.41834733893557424  Query no. 14  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 15  Avg Recall : 1.0  Precision : 0.07317073170731707  NIAP: 0.42472222222222217  Query no. 16  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.09953703703703703  Query no. 17  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.41245791245791247  Query no. 18  Avg Recall : 0.8  Precision : 0.04878048780487805  NIAP: 0.4127272727272727  Query no. 19  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.7333333333333334  Query no. 20  Avg Recall : 1.0  Precision : 0.06097560975609756  NIAP: 0.6602564102564102  Query no. 21  Avg Recall : 0.6666666666666666  Precision : 0.024390243902439025  NIAP: 0.6666666666666666  Query no. 22  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 1.0  Query no. 23  Avg Recall : 0.8333333333333334  Precision : 0.06097560975609756  NIAP: 0.5415701415701416  Query no. 24  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.6870748299319728  Query no. 25  Avg Recall : 1.0  Precision : 0.10975609756097561  NIAP: 0.9297008547008547  Query no. 26  Avg Recall : 0.9090909090909091  Precision : 0.36585365853658536  NIAP: 0.5786519623105573  Query no. 27  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 0.025  Query no. 28  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 1.0  Query no. 29  Avg Recall : 0.75  Precision : 0.036585365853658534  NIAP: 0.23824786324786323  Query no. 30  Avg Recall : 0.7272727272727273  Precision : 0.0975609756097561  NIAP: 0.0963239567888515  Query no. 31  Avg Recall : 0.6666666666666666  Precision : 0.07317073170731707  NIAP: 0.24679333012666346  Query no. 32  Avg Recall : 0.8333333333333334  Precision : 0.06097560975609756  NIAP: 0.21426729299069724  Query no. 33  Avg Recall : 1.0  Precision : 0.0975609756097561  NIAP: 0.3121912756400956  Query no. 34  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.6666666666666666  **Average NIAP: 0.44438504280338** |

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | Stemming | ⚫ |
| Log TF |  | IDF | ⚫ |
| Augmented TF |  | Normalization |  |
| Binary TF |  |  |  |

|  |
| --- |
|  |
| Roccio | |  |
| IDE Reg | | ⚫ |
| IDE Dec-Hi | |  |
| Pseudo | |  | Top N |  |
| Top S | | 20 |  |  |

1. Konfigurasi:

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 0.6666666666666666  Precision : 0.024390243902439025  NIAP: 0.38888888888888884  Query no. 2  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.14545454545454545  Query no. 3  Avg Recall : 1.0  Precision : 0.04878048780487805  NIAP: 0.7784090909090909  Query no. 4  Avg Recall : 0.5  Precision : 0.012195121951219513  NIAP: 0.5  Query no. 5  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.7000000000000001  Query no. 6  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.3333333333333333  Query no. 7  Avg Recall : 1.0  Precision : 0.04878048780487805  NIAP: 0.18624149659863945  Query no. 8  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 1.0  Query no. 9  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.27  Query no. 10  Avg Recall : 1.0  Precision : 0.06097560975609756  NIAP: 0.2782683982683983  Query no. 11  Avg Recall : 0.75  Precision : 0.036585365853658534  NIAP: 0.05024509803921569  Query no. 12  Avg Recall : 1.0  Precision : 0.06097560975609756  NIAP: 0.5692640692640693  Query no. 13  Avg Recall : 1.0  Precision : 0.07317073170731707  NIAP: 0.4150793650793651  Query no. 14  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 15  Avg Recall : 1.0  Precision : 0.07317073170731707  NIAP: 0.42472222222222217  Query no. 16  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.09953703703703703  Query no. 17  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.4121212121212121  Query no. 18  Avg Recall : 0.8  Precision : 0.04878048780487805  NIAP: 0.4127272727272727  Query no. 19  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.7333333333333334  Query no. 20  Avg Recall : 1.0  Precision : 0.06097560975609756  NIAP: 0.6547619047619048  Query no. 21  Avg Recall : 0.6666666666666666  Precision : 0.024390243902439025  NIAP: 0.6666666666666666  Query no. 22  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 1.0  Query no. 23  Avg Recall : 0.8333333333333334  Precision : 0.06097560975609756  NIAP: 0.5433558558558559  Query no. 24  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.6870748299319728  Query no. 25  Avg Recall : 1.0  Precision : 0.10975609756097561  NIAP: 0.9297008547008547  Query no. 26  Avg Recall : 0.9090909090909091  Precision : 0.36585365853658536  NIAP: 0.577000706647189  Query no. 27  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 0.022727272727272728  Query no. 28  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 1.0  Query no. 29  Avg Recall : 0.75  Precision : 0.036585365853658534  NIAP: 0.24305555555555555  Query no. 30  Avg Recall : 0.7272727272727273  Precision : 0.0975609756097561  NIAP: 0.09689751686504934  Query no. 31  Avg Recall : 0.6666666666666666  Precision : 0.07317073170731707  NIAP: 0.24599339233485573  Query no. 32  Avg Recall : 0.8333333333333334  Precision : 0.06097560975609756  NIAP: 0.21547619047619046  Query no. 33  Avg Recall : 1.0  Precision : 0.0975609756097561  NIAP: 0.3172598918794571  Query no. 34  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.6666666666666666  **Average NIAP: 0.4446932190956033** |

|  |
| --- |
|  |
| Roccio | |  |
| IDE Reg | |  |
| IDE Dec-Hi | | ⚫ |
| Pseudo | |  | Top N |  |
| Top S | | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.44771241830065356  Query no. 2  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.14545454545454545  Query no. 3  Avg Recall : 1.0  Precision : 0.04878048780487805  NIAP: 0.7784090909090909  Query no. 4  Avg Recall : 0.5  Precision : 0.012195121951219513  NIAP: 0.5  Query no. 5  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.7000000000000001  Query no. 6  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.3269230769230769  Query no. 7  Avg Recall : 1.0  Precision : 0.04878048780487805  NIAP: 0.1871099290780142  Query no. 8  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 1.0  Query no. 9  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.2696078431372549  Query no. 10  Avg Recall : 1.0  Precision : 0.06097560975609756  NIAP: 0.27677830940988835  Query no. 11  Avg Recall : 0.75  Precision : 0.036585365853658534  NIAP: 0.05220588235294117  Query no. 12  Avg Recall : 1.0  Precision : 0.06097560975609756  NIAP: 0.5714285714285714  Query no. 13  Avg Recall : 1.0  Precision : 0.07317073170731707  NIAP: 0.4150793650793651  Query no. 14  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 15  Avg Recall : 1.0  Precision : 0.07317073170731707  NIAP: 0.4231837606837607  Query no. 16  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.09126984126984126  Query no. 17  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.41245791245791247  Query no. 18  Avg Recall : 0.8  Precision : 0.04878048780487805  NIAP: 0.4127272727272727  Query no. 19  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.7333333333333334  Query no. 20  Avg Recall : 1.0  Precision : 0.06097560975609756  NIAP: 0.6602564102564102  Query no. 21  Avg Recall : 0.6666666666666666  Precision : 0.024390243902439025  NIAP: 0.6666666666666666  Query no. 22  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 1.0  Query no. 23  Avg Recall : 0.8333333333333334  Precision : 0.06097560975609756  NIAP: 0.5369352869352869  Query no. 24  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.6862745098039215  Query no. 25  Avg Recall : 1.0  Precision : 0.10975609756097561  NIAP: 0.9297008547008547  Query no. 26  Avg Recall : 0.9090909090909091  Precision : 0.36585365853658536  NIAP: 0.5775409871625146  Query no. 27  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 0.02702702702702703  Query no. 28  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 1.0  Query no. 29  Avg Recall : 0.75  Precision : 0.036585365853658534  NIAP: 0.24305555555555555  Query no. 30  Avg Recall : 0.7272727272727273  Precision : 0.0975609756097561  NIAP: 0.0984276538208976  Query no. 31  Avg Recall : 0.6666666666666666  Precision : 0.07317073170731707  NIAP: 0.24801433134766468  Query no. 32  Avg Recall : 0.8333333333333334  Precision : 0.06097560975609756  NIAP: 0.2155345727809496  Query no. 33  Avg Recall : 1.0  Precision : 0.0975609756097561  NIAP: 0.3069931420844199  Query no. 34  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.6666666666666666  **Average NIAP: 0.4459078519244101** |

|  |
| --- |
|  |
| Roccio | |  |
| IDE Reg | |  |
| IDE Dec-Hi | |  |
| Pseudo | | ⚫ | Top N |  |
| Top S | | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.41830065359477114  Query no. 2  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.14545454545454545  Query no. 3  Avg Recall : 1.0  Precision : 0.04878048780487805  NIAP: 0.7784090909090909  Query no. 4  Avg Recall : 0.5  Precision : 0.012195121951219513  NIAP: 0.5  Query no. 5  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.7000000000000001  Query no. 6  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.3333333333333333  Query no. 7  Avg Recall : 1.0  Precision : 0.04878048780487805  NIAP: 0.18666666666666668  Query no. 8  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 1.0  Query no. 9  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.2696078431372549  Query no. 10  Avg Recall : 1.0  Precision : 0.06097560975609756  NIAP: 0.2775637009189641  Query no. 11  Avg Recall : 0.75  Precision : 0.036585365853658534  NIAP: 0.05024509803921569  Query no. 12  Avg Recall : 1.0  Precision : 0.06097560975609756  NIAP: 0.5692640692640693  Query no. 13  Avg Recall : 1.0  Precision : 0.07317073170731707  NIAP: 0.41834733893557424  Query no. 14  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 15  Avg Recall : 1.0  Precision : 0.07317073170731707  NIAP: 0.42472222222222217  Query no. 16  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.09259259259259259  Query no. 17  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.41280731846769586  Query no. 18  Avg Recall : 0.8  Precision : 0.04878048780487805  NIAP: 0.4127272727272727  Query no. 19  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.7333333333333334  Query no. 20  Avg Recall : 1.0  Precision : 0.06097560975609756  NIAP: 0.6547619047619048  Query no. 21  Avg Recall : 0.6666666666666666  Precision : 0.024390243902439025  NIAP: 0.6666666666666666  Query no. 22  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 1.0  Query no. 23  Avg Recall : 0.8333333333333334  Precision : 0.06097560975609756  NIAP: 0.5325126262626262  Query no. 24  Avg Recall : 1.0  Precision : 0.036585365853658534  NIAP: 0.6858974358974358  Query no. 25  Avg Recall : 1.0  Precision : 0.10975609756097561  NIAP: 0.9297008547008547  Query no. 26  Avg Recall : 0.9090909090909091  Precision : 0.36585365853658536  NIAP: 0.575426410498397  Query no. 27  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 0.023255813953488372  Query no. 28  Avg Recall : 1.0  Precision : 0.012195121951219513  NIAP: 1.0  Query no. 29  Avg Recall : 0.75  Precision : 0.036585365853658534  NIAP: 0.24305555555555555  Query no. 30  Avg Recall : 0.7272727272727273  Precision : 0.0975609756097561  NIAP: 0.09662082359842426  Query no. 31  Avg Recall : 0.6666666666666666  Precision : 0.07317073170731707  NIAP: 0.2435751259280671  Query no. 32  Avg Recall : 0.8333333333333334  Precision : 0.06097560975609756  NIAP: 0.2134462749282999  Query no. 33  Avg Recall : 1.0  Precision : 0.0975609756097561  NIAP: 0.30692965729117005  Query no. 34  Avg Recall : 1.0  Precision : 0.024390243902439025  NIAP: 0.6666666666666666  **Average NIAP: 0.44462545418017596** |

**CRAN**

|  |
| --- |
|  |
| Roccio | | ⚫ |
| IDE Reg | |  |
| IDE Dec-Hi | |  |
| Pseudo | |  | Top N |  |
| Top S | | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 0.896551724137931  Precision : 0.018571428571428572  NIAP: 0.2720515264164238  Query no. 2  Avg Recall : 0.88  Precision : 0.015714285714285715  NIAP: 0.23786324379285442  Query no. 3  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.8306776556776556  Query no. 4  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7380952380952381  Query no. 5  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.4833333333333332  Query no. 6  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.3596059821685361  Query no. 7  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.23900531202825484  Query no. 8  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.13337458132088978  Query no. 9  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.5582922824302133  Query no. 10  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.2618055525173582  Query no. 11  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.5025027056277056  Query no. 12  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.321381238102123  Query no. 13  Avg Recall : 0.2  Precision : 7.142857142857143E-4  NIAP: 0.2  Query no. 14  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.19286030061892132  Query no. 15  Avg Recall : 0.6666666666666666  Precision : 0.0014285714285714286  NIAP: 0.25  Query no. 16  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4511558538404176  Query no. 17  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.36805316401205335  Query no. 18  Avg Recall : 0.8  Precision : 0.005714285714285714  NIAP: 0.07649281224927588  Query no. 19  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.17950523749533406  Query no. 20  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.15556484295846001  Query no. 21  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.8222203235361132  Query no. 22  Avg Recall : 0.6363636363636364  Precision : 0.015  NIAP: 0.307357914897988  Query no. 23  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 24  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.49934612763904307  Query no. 25  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.75  Query no. 26  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.08027210884353742  Query no. 27  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.09373052642567965  Query no. 28  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.1995183426265057  Query no. 29  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.004651665963052782  Query no. 30  Avg Recall : 0.5  Precision : 7.142857142857143E-4  NIAP: 0.5  Query no. 31  Avg Recall : 0.875  Precision : 0.005  NIAP: 0.10129597102957759  Query no. 32  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.5685103586889301  Query no. 33  Avg Recall : 0.75  Precision : 0.002142857142857143  NIAP: 0.05661815661815662  Query no. 34  Avg Recall : 0.8571428571428571  Precision : 0.004285714285714286  NIAP: 0.1909613704703614  Query no. 35  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.8269230769230769  Query no. 36  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.13826178152037497  Query no. 37  Avg Recall : 0.7857142857142857  Precision : 0.007857142857142858  NIAP: 0.16414026680540617  Query no. 38  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.39090909090909093  Query no. 39  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.24284775047983514  Query no. 40  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.3253167641325536  Query no. 41  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.45672026386312103  Query no. 42  Avg Recall : 0.7692307692307693  Precision : 0.007142857142857143  NIAP: 0.2592192793933728  Query no. 43  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.6602564102564104  Query no. 44  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.5249362034343292  Query no. 45  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.3446442023412343  Query no. 46  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 47  Avg Recall : 1.0  Precision : 0.009285714285714286  NIAP: 0.3161422104827168  Query no. 48  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.37058697824372255  Query no. 49  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.02383239271192702  Query no. 50  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.23400673400673402  Query no. 51  Avg Recall : 0.9166666666666666  Precision : 0.007857142857142858  NIAP: 0.2953879274361569  Query no. 52  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.14794620383591384  Query no. 53  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.26567358352242076  Query no. 54  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.25645806034492163  Query no. 55  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.4912698412698412  Query no. 56  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.1440875834730093  Query no. 57  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.1950727947997262  Query no. 58  Avg Recall : 0.9333333333333333  Precision : 0.01  NIAP: 0.24030709620403684  Query no. 59  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.2651157392237955  Query no. 60  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.05063827766214028  Query no. 61  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.027528174396753355  Query no. 62  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.5114319486659912  Query no. 63  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.4393674009871193  Query no. 64  Avg Recall : 0.8333333333333334  Precision : 0.0035714285714285713  NIAP: 0.3243818128925167  Query no. 65  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.07548236490338914  Query no. 66  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.14517862588289598  Query no. 67  Avg Recall : 0.8888888888888888  Precision : 0.005714285714285714  NIAP: 0.22417557891982443  Query no. 68  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.12418300653594772  Query no. 69  Avg Recall : 0.9375  Precision : 0.010714285714285714  NIAP: 0.15076611254058686  Query no. 70  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.08213543455478939  Query no. 71  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.17642521919253976  Query no. 72  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.2507864723830543  Query no. 73  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.43635370739870627  Query no. 74  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.775  Query no. 75  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.07190305513783973  Query no. 76  Avg Recall : 0.9444444444444444  Precision : 0.012142857142857143  NIAP: 0.050436864542280774  Query no. 77  Avg Recall : 1.0  Precision : 0.015  NIAP: 0.42474254363209835  Query no. 78  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.3187074829931973  Query no. 79  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.05420244240805396  Query no. 80  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.031931426241839575  Query no. 81  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.2854354781651298  Query no. 82  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.014922521726634922  Query no. 83  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.8055555555555555  Query no. 84  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.430976430976431  Query no. 85  Avg Recall : 0.8  Precision : 0.002857142857142857  NIAP: 0.04010962156123447  Query no. 86  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.11530162508885913  Query no. 87  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.0991062491062491  Query no. 88  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 1.0  Query no. 89  Avg Recall : 1.0  Precision : 0.01  NIAP: 0.6980533420888995  Query no. 90  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7037037037037037  Query no. 91  Avg Recall : 1.0  Precision : 0.009285714285714286  NIAP: 0.4844938034790735  Query no. 92  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.2457613814756672  Query no. 93  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.8121315192743763  Query no. 94  Avg Recall : 0.9  Precision : 0.0064285714285714285  NIAP: 0.3409132900253281  Query no. 95  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.2435479328659825  Query no. 96  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.14551499174930135  Query no. 97  Avg Recall : 0.6666666666666666  Precision : 0.0014285714285714286  NIAP: 0.3  Query no. 98  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.4107307007581046  Query no. 99  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.682142857142857  Query no. 100  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.12050766197331127  Query no. 101  Avg Recall : 0.8  Precision : 0.002857142857142857  NIAP: 0.6285714285714286  Query no. 102  Avg Recall : 1.0  Precision : 0.01  NIAP: 0.4540548594120022  Query no. 103  Avg Recall : 0.7272727272727273  Precision : 0.005714285714285714  NIAP: 0.21020633732971705  Query no. 104  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.04608187134502924  Query no. 105  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.2732336956521739  Query no. 106  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.6400000000000001  Query no. 107  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.06745319579987773  Query no. 108  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.38238770685579193  Query no. 109  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.3720402404612931  Query no. 110  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.3147883237460894  Query no. 111  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.6709595959595959  Query no. 112  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 0.27702702702702703  Query no. 113  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.07439959550253669  Query no. 114  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.017645897511468372  Query no. 115  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.05441376103041662  Query no. 116  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.23794127917211366  Query no. 117  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.28443090342809146  Query no. 118  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.1212800921221974  Query no. 119  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7380952380952381  Query no. 120  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.16350938496289497  Query no. 121  Avg Recall : 0.6666666666666666  Precision : 0.004285714285714286  NIAP: 0.27225557308613785  Query no. 122  Avg Recall : 1.0  Precision : 0.012142857142857143  NIAP: 0.2656951622959138  Query no. 123  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.20470380496574964  Query no. 124  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.5370370370370371  Query no. 125  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.20329615753059027  Query no. 126  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.3022276379534444  Query no. 127  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.4368618688401734  Query no. 128  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.38820105820105816  Query no. 129  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.11043028322440088  Query no. 130  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.028475971956941116  Query no. 131  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4511494252873563  Query no. 132  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.09724986916283515  Query no. 133  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.2937770380006551  Query no. 134  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.1659159159159159  Query no. 135  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 0.19105691056910568  Query no. 136  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.6275611856026255  Query no. 137  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.3551235089696629  Query no. 138  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.447356572258533  Query no. 139  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.6463808453317632  Query no. 140  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.28905265990863815  Query no. 141  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.7025903488739166  Query no. 142  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.5111481111481111  Query no. 143  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4474074074074075  Query no. 144  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.016797290255466103  Query no. 145  Avg Recall : 0.875  Precision : 0.005  NIAP: 0.4021929824561404  Query no. 146  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7101449275362319  Query no. 147  Avg Recall : 0.7142857142857143  Precision : 0.0035714285714285713  NIAP: 0.30208855472013363  Query no. 148  Avg Recall : 0.8666666666666667  Precision : 0.009285714285714286  NIAP: 0.6688380358705162  Query no. 149  Avg Recall : 0.975  Precision : 0.027857142857142858  NIAP: 0.2742562730016342  Query no. 150  Avg Recall : 0.6666666666666666  Precision : 0.004285714285714286  NIAP: 0.18774748847378592  Query no. 151  Avg Recall : 0.8888888888888888  Precision : 0.005714285714285714  NIAP: 0.2168721647019867  Query no. 152  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.32033391141693685  Query no. 153  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.2852805376536579  Query no. 154  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.8095238095238094  Query no. 155  Avg Recall : 0.9090909090909091  Precision : 0.007142857142857143  NIAP: 0.38524742347958296  Query no. 156  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.20669972609929224  Query no. 157  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.33436160131347936  Query no. 158  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.9166666666666666  Query no. 159  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.07227906492017819  Query no. 160  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.8166666666666667  Query no. 161  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.6072105799814332  Query no. 162  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.3874149659863945  Query no. 163  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.3962962962962963  Query no. 164  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.25891783563352183  Query no. 165  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.09663054203819683  Query no. 166  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.8333333333333334  Query no. 167  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.8583333333333332  Query no. 168  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.4056179775280899  Query no. 169  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.08516433938006165  Query no. 170  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.3416123068670556  Query no. 171  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.31389193284359485  Query no. 172  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.15313479623824452  Query no. 173  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.14281564131604868  Query no. 174  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4106280193236715  Query no. 175  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.40812489525724815  Query no. 176  Avg Recall : 1.0  Precision : 0.012142857142857143  NIAP: 0.14848421816255986  Query no. 177  Avg Recall : 0.8571428571428571  Precision : 0.004285714285714286  NIAP: 0.17926118507513858  Query no. 178  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.11597380465914948  Query no. 179  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.762267316017316  Query no. 180  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.1579944576216506  Query no. 181  Avg Recall : 1.0  Precision : 0.01  NIAP: 0.442208662638358  Query no. 182  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.45852824022078686  Query no. 183  Avg Recall : 0.9  Precision : 0.0064285714285714285  NIAP: 0.30249351984690326  Query no. 184  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.6935897435897436  Query no. 185  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.23139374514374517  Query no. 186  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.16741095561511454  Query no. 187  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.6335978835978836  Query no. 188  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.9166666666666666  Query no. 189  Avg Recall : 0.9285714285714286  Precision : 0.009285714285714286  NIAP: 0.7620893231062722  Query no. 190  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.5177581860490407  Query no. 191  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.11737854319292478  Query no. 192  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.9166666666666666  Query no. 193  Avg Recall : 0.9333333333333333  Precision : 0.01  NIAP: 0.039268628025221346  Query no. 194  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.34026610644257693  Query no. 195  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.7515625  Query no. 196  Avg Recall : 1.0  Precision : 0.012142857142857143  NIAP: 0.19470871711232202  Query no. 197  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.6175595238095238  Query no. 198  Avg Recall : 0.9333333333333333  Precision : 0.01  NIAP: 0.12716971007645878  Query no. 199  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.2781314438367027  Query no. 200  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.7875  Query no. 201  Avg Recall : 0.9230769230769231  Precision : 0.008571428571428572  NIAP: 0.26253264953311056  Query no. 202  Avg Recall : 0.8888888888888888  Precision : 0.005714285714285714  NIAP: 0.0880702620107847  Query no. 203  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.23918550585217252  Query no. 204  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.7100532960937584  Query no. 205  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.7689285714285714  Query no. 206  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.538695652173913  Query no. 207  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.4998144712430426  Query no. 208  Avg Recall : 1.0  Precision : 0.014285714285714285  NIAP: 0.15336683852281802  Query no. 209  Avg Recall : 1.0  Precision : 0.013571428571428571  NIAP: 0.2160907902195631  Query no. 210  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.6397904483430799  Query no. 211  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.37401987353206867  Query no. 212  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 0.008322532232758032  Query no. 213  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.1359144506666583  Query no. 214  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.32729414960877873  Query no. 215  Avg Recall : 1.0  Precision : 0.013571428571428571  NIAP: 0.06648636075041013  Query no. 216  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.3493742692757077  Query no. 217  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.5366494442832735  Query no. 218  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.36316552998167345  Query no. 219  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.3587509077705156  Query no. 220  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.936734693877551  Query no. 221  Avg Recall : 1.0  Precision : 0.009285714285714286  NIAP: 0.10416764575031859  Query no. 222  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.3899656636848287  Query no. 223  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.1337576619357357  Query no. 224  Avg Recall : 0.88  Precision : 0.015714285714285715  NIAP: 0.12514072664336637  **Average NIAP: 0.341802815261506** |

|  |  |
| --- | --- |
| Roccio |  |
| IDE Reg | ⚫ |
| IDE Dec-Hi |  |
| Pseudo |  | Top N |  |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 0.8275862068965517  Precision : 0.017142857142857144  NIAP: 0.12990173188881904  Query no. 2  Avg Recall : 0.88  Precision : 0.015714285714285715  NIAP: 0.2378652094695962  Query no. 3  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.8306776556776556  Query no. 4  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7380952380952381  Query no. 5  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.4833333333333332  Query no. 6  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.35982456140350877  Query no. 7  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.23900531202825484  Query no. 8  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.13337458132088978  Query no. 9  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.5582922824302133  Query no. 10  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.2618055525173582  Query no. 11  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.5025027056277056  Query no. 12  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.321355195418164  Query no. 13  Avg Recall : 0.2  Precision : 7.142857142857143E-4  NIAP: 0.2  Query no. 14  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.1928398857895893  Query no. 15  Avg Recall : 0.6666666666666666  Precision : 0.0014285714285714286  NIAP: 0.25  Query no. 16  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4511558538404176  Query no. 17  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.36805316401205335  Query no. 18  Avg Recall : 0.8  Precision : 0.005714285714285714  NIAP: 0.07634024727967267  Query no. 19  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.17950649289985052  Query no. 20  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.15556484295846001  Query no. 21  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.8222203235361132  Query no. 22  Avg Recall : 0.6363636363636364  Precision : 0.015  NIAP: 0.30901164365225264  Query no. 23  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 24  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.4993657483061457  Query no. 25  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.75  Query no. 26  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.08027210884353742  Query no. 27  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.09374429555185647  Query no. 28  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.1995183426265057  Query no. 29  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.004647708009557984  Query no. 30  Avg Recall : 0.5  Precision : 7.142857142857143E-4  NIAP: 0.5  Query no. 31  Avg Recall : 0.875  Precision : 0.005  NIAP: 0.10120333085230346  Query no. 32  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.5685103586889301  Query no. 33  Avg Recall : 0.75  Precision : 0.002142857142857143  NIAP: 0.056924567680381635  Query no. 34  Avg Recall : 0.8571428571428571  Precision : 0.004285714285714286  NIAP: 0.19098641099892058  Query no. 35  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.8269230769230769  Query no. 36  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.13823116938826305  Query no. 37  Avg Recall : 0.7857142857142857  Precision : 0.007857142857142858  NIAP: 0.16383837955079297  Query no. 38  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.3908612754766601  Query no. 39  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.2456185663093362  Query no. 40  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.3253275307130877  Query no. 41  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.45672026386312103  Query no. 42  Avg Recall : 0.7692307692307693  Precision : 0.007142857142857143  NIAP: 0.2598820986696238  Query no. 43  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.6602564102564104  Query no. 44  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.5249362034343292  Query no. 45  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.34462472283367623  Query no. 46  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 47  Avg Recall : 1.0  Precision : 0.009285714285714286  NIAP: 0.31613514694739386  Query no. 48  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.37058697824372255  Query no. 49  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.023837200126883847  Query no. 50  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.23400673400673402  Query no. 51  Avg Recall : 0.9166666666666666  Precision : 0.007857142857142858  NIAP: 0.2958123567071486  Query no. 52  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.14797542565877114  Query no. 53  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.2651138820298834  Query no. 54  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.25645806034492163  Query no. 55  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.4912698412698412  Query no. 56  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.1440875834730093  Query no. 57  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.1950727947997262  Query no. 58  Avg Recall : 0.9333333333333333  Precision : 0.01  NIAP: 0.2415556884606282  Query no. 59  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.2650912063300916  Query no. 60  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.05016862448294953  Query no. 61  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.027454709806685768  Query no. 62  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.5114319486659912  Query no. 63  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.4393767491112624  Query no. 64  Avg Recall : 0.8333333333333334  Precision : 0.0035714285714285713  NIAP: 0.3243818128925167  Query no. 65  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.07550604475183811  Query no. 66  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.1451730747039176  Query no. 67  Avg Recall : 0.8888888888888888  Precision : 0.005714285714285714  NIAP: 0.22417557891982443  Query no. 68  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.12418300653594772  Query no. 69  Avg Recall : 0.9375  Precision : 0.010714285714285714  NIAP: 0.15076820603233967  Query no. 70  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.08213543455478939  Query no. 71  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.17641702338294013  Query no. 72  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.2507864723830543  Query no. 73  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.43635370739870627  Query no. 74  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.775  Query no. 75  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.07190305513783973  Query no. 76  Avg Recall : 0.9444444444444444  Precision : 0.012142857142857143  NIAP: 0.05046136004428002  Query no. 77  Avg Recall : 1.0  Precision : 0.015  NIAP: 0.4247574154454117  Query no. 78  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.3187074829931973  Query no. 79  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.05419021492801532  Query no. 80  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.031943178052152535  Query no. 81  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.2854354781651298  Query no. 82  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.014928425876321094  Query no. 83  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.8055555555555555  Query no. 84  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.430976430976431  Query no. 85  Avg Recall : 0.8  Precision : 0.002857142857142857  NIAP: 0.04010962156123447  Query no. 86  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.11531996630891708  Query no. 87  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.0991062491062491  Query no. 88  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 1.0  Query no. 89  Avg Recall : 1.0  Precision : 0.01  NIAP: 0.6980109309402179  Query no. 90  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7037037037037037  Query no. 91  Avg Recall : 1.0  Precision : 0.009285714285714286  NIAP: 0.4844938034790735  Query no. 92  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.2457613814756672  Query no. 93  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.8121315192743763  Query no. 94  Avg Recall : 0.9  Precision : 0.0064285714285714285  NIAP: 0.3408036483580948  Query no. 95  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.24345714919179792  Query no. 96  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.14556661183837888  Query no. 97  Avg Recall : 0.6666666666666666  Precision : 0.0014285714285714286  NIAP: 0.3  Query no. 98  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.41069524117980755  Query no. 99  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.682142857142857  Query no. 100  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.12053501525647609  Query no. 101  Avg Recall : 0.8  Precision : 0.002857142857142857  NIAP: 0.6285714285714286  Query no. 102  Avg Recall : 1.0  Precision : 0.01  NIAP: 0.4540417772560629  Query no. 103  Avg Recall : 0.7272727272727273  Precision : 0.005714285714285714  NIAP: 0.21040777743138547  Query no. 104  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.04608187134502924  Query no. 105  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.2732336956521739  Query no. 106  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.6400000000000001  Query no. 107  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.06768611505453612  Query no. 108  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.38238770685579193  Query no. 109  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.3720402404612931  Query no. 110  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.31473311546840954  Query no. 111  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.6709595959595959  Query no. 112  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 0.27702702702702703  Query no. 113  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.0744111977765824  Query no. 114  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.01767846965197373  Query no. 115  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.054433221010298814  Query no. 116  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.23794233893252498  Query no. 117  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.28443090342809146  Query no. 118  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.1212800921221974  Query no. 119  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7380952380952381  Query no. 120  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.16358182117375678  Query no. 121  Avg Recall : 0.6666666666666666  Precision : 0.004285714285714286  NIAP: 0.2717421258774642  Query no. 122  Avg Recall : 1.0  Precision : 0.012142857142857143  NIAP: 0.26523987550111144  Query no. 123  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.20470522153497947  Query no. 124  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.5370370370370371  Query no. 125  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.20334272511179247  Query no. 126  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.3022276379534444  Query no. 127  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.4368618688401734  Query no. 128  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.38820105820105816  Query no. 129  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.11043028322440088  Query no. 130  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.028459808619996557  Query no. 131  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4511494252873563  Query no. 132  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.09732749686039764  Query no. 133  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.293794888234733  Query no. 134  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.1659159159159159  Query no. 135  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 0.19105691056910568  Query no. 136  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.6275611856026255  Query no. 137  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.3551235089696629  Query no. 138  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.447356572258533  Query no. 139  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.646376347149029  Query no. 140  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.29574908848006676  Query no. 141  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.7049900325236002  Query no. 142  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.5111481111481111  Query no. 143  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4490740740740741  Query no. 144  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.016827451314877475  Query no. 145  Avg Recall : 0.875  Precision : 0.005  NIAP: 0.40516917293233085  Query no. 146  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7101449275362319  Query no. 147  Avg Recall : 0.7142857142857143  Precision : 0.0035714285714285713  NIAP: 0.3023419203747072  Query no. 148  Avg Recall : 0.8666666666666667  Precision : 0.009285714285714286  NIAP: 0.6580628424290108  Query no. 149  Avg Recall : 0.975  Precision : 0.027857142857142858  NIAP: 0.27426474943164697  Query no. 150  Avg Recall : 0.6666666666666666  Precision : 0.004285714285714286  NIAP: 0.18779119858830642  Query no. 151  Avg Recall : 0.8888888888888888  Precision : 0.005714285714285714  NIAP: 0.21693206287509242  Query no. 152  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.32033391141693685  Query no. 153  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.2852805376536579  Query no. 154  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.8095238095238094  Query no. 155  Avg Recall : 0.9090909090909091  Precision : 0.007142857142857143  NIAP: 0.38572943723363196  Query no. 156  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.2067584460053404  Query no. 157  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.33436160131347936  Query no. 158  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.9166666666666666  Query no. 159  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.07227360079760699  Query no. 160  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.8166666666666667  Query no. 161  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.6072105799814332  Query no. 162  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.3874149659863945  Query no. 163  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.3962962962962963  Query no. 164  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.25891214812783436  Query no. 165  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.09663272404515727  Query no. 166  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.8333333333333334  Query no. 167  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.8583333333333332  Query no. 168  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.4056179775280899  Query no. 169  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.08516433938006165  Query no. 170  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.3416123068670556  Query no. 171  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.31389193284359485  Query no. 172  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.15313479623824452  Query no. 173  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.14282874728595849  Query no. 174  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4106280193236715  Query no. 175  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.40812489525724815  Query no. 176  Avg Recall : 1.0  Precision : 0.012142857142857143  NIAP: 0.14851340353759912  Query no. 177  Avg Recall : 0.8571428571428571  Precision : 0.004285714285714286  NIAP: 0.17923562923562922  Query no. 178  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.11653853580760361  Query no. 179  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.762267316017316  Query no. 180  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.1579944576216506  Query no. 181  Avg Recall : 1.0  Precision : 0.01  NIAP: 0.4413379684929987  Query no. 182  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.45852824022078686  Query no. 183  Avg Recall : 0.9  Precision : 0.0064285714285714285  NIAP: 0.3025159853800458  Query no. 184  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.6935897435897436  Query no. 185  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.23139374514374517  Query no. 186  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.1674184184608042  Query no. 187  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.6335978835978836  Query no. 188  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.9166666666666666  Query no. 189  Avg Recall : 0.9285714285714286  Precision : 0.009285714285714286  NIAP: 0.7617303748882697  Query no. 190  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.5175770266287507  Query no. 191  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.11740456592018884  Query no. 192  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.9166666666666666  Query no. 193  Avg Recall : 0.9333333333333333  Precision : 0.01  NIAP: 0.03925576693408893  Query no. 194  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.34026610644257693  Query no. 195  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.7515748031496063  Query no. 196  Avg Recall : 1.0  Precision : 0.012142857142857143  NIAP: 0.1946617178822956  Query no. 197  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.6175595238095238  Query no. 198  Avg Recall : 0.9333333333333333  Precision : 0.01  NIAP: 0.1271460876448679  Query no. 199  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.2781314438367027  Query no. 200  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.7875  Query no. 201  Avg Recall : 0.9230769230769231  Precision : 0.008571428571428572  NIAP: 0.26250478946152794  Query no. 202  Avg Recall : 0.8888888888888888  Precision : 0.005714285714285714  NIAP: 0.0880702620107847  Query no. 203  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.23903494879104636  Query no. 204  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.7100532960937584  Query no. 205  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.7680645161290323  Query no. 206  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.538695652173913  Query no. 207  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.4998144712430426  Query no. 208  Avg Recall : 1.0  Precision : 0.014285714285714285  NIAP: 0.15339127645048173  Query no. 209  Avg Recall : 1.0  Precision : 0.013571428571428571  NIAP: 0.21607859103705182  Query no. 210  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.6397904483430799  Query no. 211  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.37401987353206867  Query no. 212  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 0.008349367784496976  Query no. 213  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.13587361975766019  Query no. 214  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.32734017813090055  Query no. 215  Avg Recall : 1.0  Precision : 0.013571428571428571  NIAP: 0.06646229142448949  Query no. 216  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.3493742692757077  Query no. 217  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.5366494442832735  Query no. 218  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.36323082407325774  Query no. 219  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.3587509077705156  Query no. 220  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.936734693877551  Query no. 221  Avg Recall : 1.0  Precision : 0.009285714285714286  NIAP: 0.10418698902453884  Query no. 222  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.3899656636848287  Query no. 223  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.13365908427061815  Query no. 224  Avg Recall : 0.88  Precision : 0.015714285714285715  NIAP: 0.12510734232550547  **Average NIAP: 0.3412025114645746** |

|  |  |
| --- | --- |
| Roccio |  |
| IDE Reg |  |
| IDE Dec-Hi | ⚫ |
| Pseudo |  | Top N |  |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 0.896551724137931  Precision : 0.018571428571428572  NIAP: 0.2797875339862048  Query no. 2  Avg Recall : 0.88  Precision : 0.015714285714285715  NIAP: 0.2380078381603508  Query no. 3  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.8306776556776556  Query no. 4  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7380952380952381  Query no. 5  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.4833333333333332  Query no. 6  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.35982456140350877  Query no. 7  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.23900531202825484  Query no. 8  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.13337458132088978  Query no. 9  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.5582922824302133  Query no. 10  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.2618055525173582  Query no. 11  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.5025027056277056  Query no. 12  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.32139006520131747  Query no. 13  Avg Recall : 0.2  Precision : 7.142857142857143E-4  NIAP: 0.2  Query no. 14  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.1929774315500057  Query no. 15  Avg Recall : 0.6666666666666666  Precision : 0.0014285714285714286  NIAP: 0.25  Query no. 16  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4511558538404176  Query no. 17  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.36805316401205335  Query no. 18  Avg Recall : 0.8  Precision : 0.005714285714285714  NIAP: 0.07646696624395655  Query no. 19  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.17951027605924258  Query no. 20  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.15556484295846001  Query no. 21  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.8222203235361132  Query no. 22  Avg Recall : 0.6363636363636364  Precision : 0.015  NIAP: 0.30642816613469864  Query no. 23  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 24  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.4993657483061457  Query no. 25  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.75  Query no. 26  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.08027210884353742  Query no. 27  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.09374255193349966  Query no. 28  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.1995183426265057  Query no. 29  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.004713521298856918  Query no. 30  Avg Recall : 0.5  Precision : 7.142857142857143E-4  NIAP: 0.5  Query no. 31  Avg Recall : 0.875  Precision : 0.005  NIAP: 0.10117705930963848  Query no. 32  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.5685103586889301  Query no. 33  Avg Recall : 0.75  Precision : 0.002142857142857143  NIAP: 0.05653235653235653  Query no. 34  Avg Recall : 0.8571428571428571  Precision : 0.004285714285714286  NIAP: 0.19067922155465983  Query no. 35  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.8269230769230769  Query no. 36  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.13823302104370752  Query no. 37  Avg Recall : 0.7857142857142857  Precision : 0.007857142857142858  NIAP: 0.16469559926739796  Query no. 38  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.39087301587301587  Query no. 39  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.24560749284799366  Query no. 40  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.3253114181399097  Query no. 41  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.45672665690748876  Query no. 42  Avg Recall : 0.7692307692307693  Precision : 0.007142857142857143  NIAP: 0.2599776319940886  Query no. 43  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.6602564102564104  Query no. 44  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.5249362034343292  Query no. 45  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.34462794027478094  Query no. 46  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 47  Avg Recall : 1.0  Precision : 0.009285714285714286  NIAP: 0.3161422104827168  Query no. 48  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.3705971530468401  Query no. 49  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.02383239271192702  Query no. 50  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.23400673400673402  Query no. 51  Avg Recall : 0.9166666666666666  Precision : 0.007857142857142858  NIAP: 0.29555972318120655  Query no. 52  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.14797542565877114  Query no. 53  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.26567358352242076  Query no. 54  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.25645806034492163  Query no. 55  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.4912698412698412  Query no. 56  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.1440875834730093  Query no. 57  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.1950727947997262  Query no. 58  Avg Recall : 0.9333333333333333  Precision : 0.01  NIAP: 0.24031159922193407  Query no. 59  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.2651157392237955  Query no. 60  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.05046572143146125  Query no. 61  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.027491219481749662  Query no. 62  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.5114319486659912  Query no. 63  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.4393674009871193  Query no. 64  Avg Recall : 0.8333333333333334  Precision : 0.0035714285714285713  NIAP: 0.3244186046511628  Query no. 65  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.07548236490338914  Query no. 66  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.14518505084743968  Query no. 67  Avg Recall : 0.8888888888888888  Precision : 0.005714285714285714  NIAP: 0.22426093487808968  Query no. 68  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.12418300653594772  Query no. 69  Avg Recall : 0.9375  Precision : 0.010714285714285714  NIAP: 0.15076611254058686  Query no. 70  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.08213543455478939  Query no. 71  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.176423556405709  Query no. 72  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.25078398173130056  Query no. 73  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.43635370739870627  Query no. 74  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.775  Query no. 75  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.07190305513783973  Query no. 76  Avg Recall : 0.9444444444444444  Precision : 0.012142857142857143  NIAP: 0.05043929313832838  Query no. 77  Avg Recall : 1.0  Precision : 0.015  NIAP: 0.4247292488241421  Query no. 78  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.3187074829931973  Query no. 79  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.05420244240805396  Query no. 80  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.031950797431499665  Query no. 81  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.2854354781651298  Query no. 82  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.014929522244812313  Query no. 83  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.8055555555555555  Query no. 84  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.430976430976431  Query no. 85  Avg Recall : 0.8  Precision : 0.002857142857142857  NIAP: 0.04011808215601428  Query no. 86  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.11530162508885913  Query no. 87  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.0991062491062491  Query no. 88  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 1.0  Query no. 89  Avg Recall : 1.0  Precision : 0.01  NIAP: 0.6979596836478519  Query no. 90  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7051282051282052  Query no. 91  Avg Recall : 1.0  Precision : 0.009285714285714286  NIAP: 0.4844938034790735  Query no. 92  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.2457613814756672  Query no. 93  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.8121315192743763  Query no. 94  Avg Recall : 0.9  Precision : 0.0064285714285714285  NIAP: 0.3411011829339975  Query no. 95  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.24356925429298754  Query no. 96  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.14551499174930135  Query no. 97  Avg Recall : 0.6666666666666666  Precision : 0.0014285714285714286  NIAP: 0.3  Query no. 98  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.41073975466962065  Query no. 99  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.682142857142857  Query no. 100  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.12053693382718801  Query no. 101  Avg Recall : 0.8  Precision : 0.002857142857142857  NIAP: 0.6285714285714286  Query no. 102  Avg Recall : 1.0  Precision : 0.01  NIAP: 0.4540614509353032  Query no. 103  Avg Recall : 0.7272727272727273  Precision : 0.005714285714285714  NIAP: 0.2107675468667949  Query no. 104  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.045900383141762445  Query no. 105  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.2732336956521739  Query no. 106  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.6400000000000001  Query no. 107  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.06741793630697591  Query no. 108  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.38238770685579193  Query no. 109  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.3720402404612931  Query no. 110  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.3147365419154409  Query no. 111  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.6712962962962963  Query no. 112  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 0.27702702702702703  Query no. 113  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.07439575835123781  Query no. 114  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.01764059240132102  Query no. 115  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.05440919388359445  Query no. 116  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.2379481014257417  Query no. 117  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.28443090342809146  Query no. 118  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.1212800921221974  Query no. 119  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7380952380952381  Query no. 120  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.16356347995369883  Query no. 121  Avg Recall : 0.6666666666666666  Precision : 0.004285714285714286  NIAP: 0.2720517627454043  Query no. 122  Avg Recall : 1.0  Precision : 0.012142857142857143  NIAP: 0.2652480908072428  Query no. 123  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.2046992838124034  Query no. 124  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.5370370370370371  Query no. 125  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.20331325706890274  Query no. 126  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.30260471185993004  Query no. 127  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.4368618688401734  Query no. 128  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.38820105820105816  Query no. 129  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.11043028322440088  Query no. 130  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.02844497163271651  Query no. 131  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4511494252873563  Query no. 132  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.09724986916283515  Query no. 133  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.2935188357847675  Query no. 134  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.1659159159159159  Query no. 135  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 0.19105691056910568  Query no. 136  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.6275611856026255  Query no. 137  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.3551235089696629  Query no. 138  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.447356572258533  Query no. 139  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.646371867986095  Query no. 140  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.29574908848006676  Query no. 141  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.7062835306920984  Query no. 142  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.5161986161986162  Query no. 143  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4490740740740741  Query no. 144  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.01683217475724129  Query no. 145  Avg Recall : 0.875  Precision : 0.005  NIAP: 0.391590804992557  Query no. 146  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7101449275362319  Query no. 147  Avg Recall : 0.7142857142857143  Precision : 0.0035714285714285713  NIAP: 0.3021450021450021  Query no. 148  Avg Recall : 0.8666666666666667  Precision : 0.009285714285714286  NIAP: 0.6608258859099195  Query no. 149  Avg Recall : 0.975  Precision : 0.027857142857142858  NIAP: 0.2742633725502621  Query no. 150  Avg Recall : 0.6666666666666666  Precision : 0.004285714285714286  NIAP: 0.18779119858830642  Query no. 151  Avg Recall : 0.8888888888888888  Precision : 0.005714285714285714  NIAP: 0.2168721647019867  Query no. 152  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.32033391141693685  Query no. 153  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.28711877294777555  Query no. 154  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.8095238095238094  Query no. 155  Avg Recall : 0.9090909090909091  Precision : 0.007142857142857143  NIAP: 0.38546851349837824  Query no. 156  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.2067584460053404  Query no. 157  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.33439340671530876  Query no. 158  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.9166666666666666  Query no. 159  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.07227906492017819  Query no. 160  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.8166666666666667  Query no. 161  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.6071993568887979  Query no. 162  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.3874149659863945  Query no. 163  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.3962962962962963  Query no. 164  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.2588788114608343  Query no. 165  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.09652011175359693  Query no. 166  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.8333333333333334  Query no. 167  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.8583333333333332  Query no. 168  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.4056179775280899  Query no. 169  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.08516433938006165  Query no. 170  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.3416123068670556  Query no. 171  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.31389193284359485  Query no. 172  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.15313479623824452  Query no. 173  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.14280228721709146  Query no. 174  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4106280193236715  Query no. 175  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.40812489525724815  Query no. 176  Avg Recall : 1.0  Precision : 0.012142857142857143  NIAP: 0.1485161727812614  Query no. 177  Avg Recall : 0.8571428571428571  Precision : 0.004285714285714286  NIAP: 0.17928714022464023  Query no. 178  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.11596161273068054  Query no. 179  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.762267316017316  Query no. 180  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.1579944576216506  Query no. 181  Avg Recall : 1.0  Precision : 0.01  NIAP: 0.4412823359791323  Query no. 182  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.45852824022078686  Query no. 183  Avg Recall : 0.9  Precision : 0.0064285714285714285  NIAP: 0.30359823646229694  Query no. 184  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.6880952380952381  Query no. 185  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.23139374514374517  Query no. 186  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.1674098982599405  Query no. 187  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.6335978835978836  Query no. 188  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.9166666666666666  Query no. 189  Avg Recall : 0.9285714285714286  Precision : 0.009285714285714286  NIAP: 0.7615329115329115  Query no. 190  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.5177581860490407  Query no. 191  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.1173766201125515  Query no. 192  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.9166666666666666  Query no. 193  Avg Recall : 0.9333333333333333  Precision : 0.01  NIAP: 0.039247845173978994  Query no. 194  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.34026610644257693  Query no. 195  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.7516501650165016  Query no. 196  Avg Recall : 1.0  Precision : 0.012142857142857143  NIAP: 0.19472682560108345  Query no. 197  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.6175595238095238  Query no. 198  Avg Recall : 0.9333333333333333  Precision : 0.01  NIAP: 0.12718190435959498  Query no. 199  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.27812182501679444  Query no. 200  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.7875  Query no. 201  Avg Recall : 0.9230769230769231  Precision : 0.008571428571428572  NIAP: 0.2625297403801887  Query no. 202  Avg Recall : 0.8888888888888888  Precision : 0.005714285714285714  NIAP: 0.08821658919837617  Query no. 203  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.23903494879104636  Query no. 204  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.7100869027613212  Query no. 205  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.7675757575757576  Query no. 206  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.538695652173913  Query no. 207  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.4998144712430426  Query no. 208  Avg Recall : 1.0  Precision : 0.014285714285714285  NIAP: 0.15339127645048173  Query no. 209  Avg Recall : 1.0  Precision : 0.013571428571428571  NIAP: 0.21607859103705182  Query no. 210  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.6397904483430799  Query no. 211  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.37401987353206867  Query no. 212  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 0.008322532232758032  Query no. 213  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.1359144506666583  Query no. 214  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.3271172964319042  Query no. 215  Avg Recall : 1.0  Precision : 0.013571428571428571  NIAP: 0.06646838864417519  Query no. 216  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.3493742692757077  Query no. 217  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.5367410256647788  Query no. 218  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.3632784787125623  Query no. 219  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.3587509077705156  Query no. 220  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.936734693877551  Query no. 221  Avg Recall : 1.0  Precision : 0.009285714285714286  NIAP: 0.10418389396301518  Query no. 222  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.3899656636848287  Query no. 223  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.13377217446004422  Query no. 224  Avg Recall : 0.88  Precision : 0.015714285714285715  NIAP: 0.12506374382035854  **Average NIAP: 0.3418305881084629** |

|  |  |
| --- | --- |
| Roccio | ⚫ |
| IDE Reg |  |
| IDE Dec-Hi |  |
| Pseudo | ⚫ | Top N | 10 |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 0.896551724137931  Precision : 0.018571428571428572  NIAP: 0.20368765658727025  Query no. 2  Avg Recall : 0.88  Precision : 0.015714285714285715  NIAP: 0.23810518959642799  Query no. 3  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.8306776556776556  Query no. 4  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7380952380952381  Query no. 5  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.4833333333333332  Query no. 6  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.3596059821685361  Query no. 7  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.23900531202825484  Query no. 8  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.13337458132088978  Query no. 9  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.5582922824302133  Query no. 10  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.2618055525173582  Query no. 11  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.5025027056277056  Query no. 12  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.32137248471565655  Query no. 13  Avg Recall : 0.2  Precision : 7.142857142857143E-4  NIAP: 0.2  Query no. 14  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.19280974654628524  Query no. 15  Avg Recall : 0.6666666666666666  Precision : 0.0014285714285714286  NIAP: 0.25  Query no. 16  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4511558538404176  Query no. 17  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.36805316401205335  Query no. 18  Avg Recall : 0.8  Precision : 0.005714285714285714  NIAP: 0.07652130326341353  Query no. 19  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.17950024386845037  Query no. 20  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.15556484295846001  Query no. 21  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.8222203235361132  Query no. 22  Avg Recall : 0.6363636363636364  Precision : 0.015  NIAP: 0.3081402127712121  Query no. 23  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 24  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.4993396811833044  Query no. 25  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.75  Query no. 26  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.0802888368462139  Query no. 27  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.09372379289505386  Query no. 28  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.1995183426265057  Query no. 29  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.004651986039211442  Query no. 30  Avg Recall : 0.5  Precision : 7.142857142857143E-4  NIAP: 0.5  Query no. 31  Avg Recall : 0.875  Precision : 0.005  NIAP: 0.10132224257224257  Query no. 32  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.5685103586889301  Query no. 33  Avg Recall : 0.75  Precision : 0.002142857142857143  NIAP: 0.0568993626797095  Query no. 34  Avg Recall : 0.8571428571428571  Precision : 0.004285714285714286  NIAP: 0.19076579871827434  Query no. 35  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.8269230769230769  Query no. 36  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.1382002868033441  Query no. 37  Avg Recall : 0.7857142857142857  Precision : 0.007857142857142858  NIAP: 0.1640171796937295  Query no. 38  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.39087696045946546  Query no. 39  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.24288758823153728  Query no. 40  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.3253275307130877  Query no. 41  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.45672665690748876  Query no. 42  Avg Recall : 0.7692307692307693  Precision : 0.007142857142857143  NIAP: 0.2591066013303945  Query no. 43  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.6602564102564104  Query no. 44  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.5249362034343292  Query no. 45  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.3445931715186174  Query no. 46  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 47  Avg Recall : 1.0  Precision : 0.009285714285714286  NIAP: 0.3161004066714866  Query no. 48  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.37058697824372255  Query no. 49  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.023837200126883847  Query no. 50  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.23400673400673402  Query no. 51  Avg Recall : 0.9166666666666666  Precision : 0.007857142857142858  NIAP: 0.2953632709801804  Query no. 52  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.147996267992203  Query no. 53  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.2658250986739359  Query no. 54  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.25645806034492163  Query no. 55  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.4912698412698412  Query no. 56  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.1440875834730093  Query no. 57  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.1950727947997262  Query no. 58  Avg Recall : 0.9333333333333333  Precision : 0.01  NIAP: 0.2415928284690633  Query no. 59  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.2650912063300916  Query no. 60  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.05013540409892189  Query no. 61  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.027528174396753355  Query no. 62  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.5114319486659912  Query no. 63  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.43937362205913444  Query no. 64  Avg Recall : 0.8333333333333334  Precision : 0.0035714285714285713  NIAP: 0.3244186046511628  Query no. 65  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.07548236490338914  Query no. 66  Avg Recall : 1.0  Precision : 0.007857142857142858  NIAP: 0.14514324313098326  Query no. 67  Avg Recall : 0.8888888888888888  Precision : 0.005714285714285714  NIAP: 0.22416110209397525  Query no. 68  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.12418300653594772  Query no. 69  Avg Recall : 0.9375  Precision : 0.010714285714285714  NIAP: 0.15076611254058686  Query no. 70  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.08213543455478939  Query no. 71  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.17641974597951934  Query no. 72  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.2507881404063799  Query no. 73  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.43635370739870627  Query no. 74  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.775  Query no. 75  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.07190305513783973  Query no. 76  Avg Recall : 0.9444444444444444  Precision : 0.012142857142857143  NIAP: 0.050438651748399066  Query no. 77  Avg Recall : 1.0  Precision : 0.015  NIAP: 0.42472719061764  Query no. 78  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.3187074829931973  Query no. 79  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.054179393260439634  Query no. 80  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.03194209861182076  Query no. 81  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.2854354781651298  Query no. 82  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.014927157474218708  Query no. 83  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.8055555555555555  Query no. 84  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.430976430976431  Query no. 85  Avg Recall : 0.8  Precision : 0.002857142857142857  NIAP: 0.04011808215601428  Query no. 86  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.11528343996429102  Query no. 87  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.0991062491062491  Query no. 88  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 1.0  Query no. 89  Avg Recall : 1.0  Precision : 0.01  NIAP: 0.6980317554658433  Query no. 90  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7037037037037037  Query no. 91  Avg Recall : 1.0  Precision : 0.009285714285714286  NIAP: 0.4844938034790735  Query no. 92  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.2457613814756672  Query no. 93  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.8121315192743763  Query no. 94  Avg Recall : 0.9  Precision : 0.0064285714285714285  NIAP: 0.34096408367612174  Query no. 95  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.2435432810259726  Query no. 96  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.1450093181672129  Query no. 97  Avg Recall : 0.6666666666666666  Precision : 0.0014285714285714286  NIAP: 0.3  Query no. 98  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.410690891840907  Query no. 99  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.682142857142857  Query no. 100  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.12048647819170971  Query no. 101  Avg Recall : 0.8  Precision : 0.002857142857142857  NIAP: 0.6285714285714286  Query no. 102  Avg Recall : 1.0  Precision : 0.01  NIAP: 0.45404830160493287  Query no. 103  Avg Recall : 0.7272727272727273  Precision : 0.005714285714285714  NIAP: 0.21067374462399266  Query no. 104  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.04608187134502924  Query no. 105  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.2732336956521739  Query no. 106  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.6400000000000001  Query no. 107  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.06771500166476045  Query no. 108  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.38238770685579193  Query no. 109  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.3720402404612931  Query no. 110  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.3147610394105721  Query no. 111  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.6709595959595959  Query no. 112  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 0.27702702702702703  Query no. 113  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.07438812892760262  Query no. 114  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.017656612265953168  Query no. 115  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.05435697368947804  Query no. 116  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.23794059645369772  Query no. 117  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.28443090342809146  Query no. 118  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.1212800921221974  Query no. 119  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7380952380952381  Query no. 120  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.16350938496289497  Query no. 121  Avg Recall : 0.6666666666666666  Precision : 0.004285714285714286  NIAP: 0.27170697012802275  Query no. 122  Avg Recall : 1.0  Precision : 0.012142857142857143  NIAP: 0.2652250137332774  Query no. 123  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.20470304816399384  Query no. 124  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.5370370370370371  Query no. 125  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.20334072167389303  Query no. 126  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.30260471185993004  Query no. 127  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.4368618688401734  Query no. 128  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.38820105820105816  Query no. 129  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.11043028322440088  Query no. 130  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.028469031127512  Query no. 131  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4511494252873563  Query no. 132  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.09732749686039764  Query no. 133  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.2940945851006101  Query no. 134  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.1659159159159159  Query no. 135  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 0.19105691056910568  Query no. 136  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.6275611856026255  Query no. 137  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.3551235089696629  Query no. 138  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.447356572258533  Query no. 139  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.6463808453317632  Query no. 140  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.28905265990863815  Query no. 141  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.706924556333124  Query no. 142  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.5161986161986162  Query no. 143  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.44586894586894593  Query no. 144  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.016825702510586456  Query no. 145  Avg Recall : 0.875  Precision : 0.005  NIAP: 0.39375485625485623  Query no. 146  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.7101449275362319  Query no. 147  Avg Recall : 0.7142857142857143  Precision : 0.0035714285714285713  NIAP: 0.3022532672374943  Query no. 148  Avg Recall : 0.8666666666666667  Precision : 0.009285714285714286  NIAP: 0.6621448804188458  Query no. 149  Avg Recall : 0.975  Precision : 0.027857142857142858  NIAP: 0.2742660807146439  Query no. 150  Avg Recall : 0.6666666666666666  Precision : 0.004285714285714286  NIAP: 0.18779119858830642  Query no. 151  Avg Recall : 0.8888888888888888  Precision : 0.005714285714285714  NIAP: 0.21693206287509242  Query no. 152  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.32033391141693685  Query no. 153  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.2852805376536579  Query no. 154  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.8095238095238094  Query no. 155  Avg Recall : 0.9090909090909091  Precision : 0.007142857142857143  NIAP: 0.3856958954626407  Query no. 156  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.2067584460053404  Query no. 157  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.3343491012353539  Query no. 158  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.9166666666666666  Query no. 159  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.07227632834308881  Query no. 160  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.8166666666666667  Query no. 161  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.60718820861678  Query no. 162  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.3874149659863945  Query no. 163  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.3962962962962963  Query no. 164  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.2589293267164415  Query no. 165  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.09662179740904164  Query no. 166  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.8333333333333334  Query no. 167  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.8583333333333332  Query no. 168  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.4056179775280899  Query no. 169  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.08516433938006165  Query no. 170  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.3416123068670556  Query no. 171  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.31389193284359485  Query no. 172  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.15313479623824452  Query no. 173  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.1428581181101781  Query no. 174  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.4106280193236715  Query no. 175  Avg Recall : 1.0  Precision : 0.0064285714285714285  NIAP: 0.40812489525724815  Query no. 176  Avg Recall : 1.0  Precision : 0.012142857142857143  NIAP: 0.14850243176772482  Query no. 177  Avg Recall : 0.8571428571428571  Precision : 0.004285714285714286  NIAP: 0.17928714022464023  Query no. 178  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.1157144375894376  Query no. 179  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.762267316017316  Query no. 180  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.1579944576216506  Query no. 181  Avg Recall : 1.0  Precision : 0.01  NIAP: 0.44145133364813  Query no. 182  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.458650340342887  Query no. 183  Avg Recall : 0.9  Precision : 0.0064285714285714285  NIAP: 0.3025257432625853  Query no. 184  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.6935897435897436  Query no. 185  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.23139374514374517  Query no. 186  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.16741307686580395  Query no. 187  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.6335978835978836  Query no. 188  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.9166666666666666  Query no. 189  Avg Recall : 0.9285714285714286  Precision : 0.009285714285714286  NIAP: 0.7614860139860139  Query no. 190  Avg Recall : 1.0  Precision : 0.005714285714285714  NIAP: 0.5177255036115953  Query no. 191  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.11737859496104414  Query no. 192  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.9166666666666666  Query no. 193  Avg Recall : 0.9333333333333333  Precision : 0.01  NIAP: 0.039249110502537064  Query no. 194  Avg Recall : 1.0  Precision : 0.004285714285714286  NIAP: 0.34026610644257693  Query no. 195  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.7515974440894568  Query no. 196  Avg Recall : 1.0  Precision : 0.012142857142857143  NIAP: 0.19487145761881805  Query no. 197  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.6175595238095238  Query no. 198  Avg Recall : 0.9333333333333333  Precision : 0.01  NIAP: 0.12718327404168123  Query no. 199  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.27811751173447286  Query no. 200  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.7875  Query no. 201  Avg Recall : 0.9230769230769231  Precision : 0.008571428571428572  NIAP: 0.2625157503218639  Query no. 202  Avg Recall : 0.8888888888888888  Precision : 0.005714285714285714  NIAP: 0.0880702620107847  Query no. 203  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.23903494879104636  Query no. 204  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.7100869027613212  Query no. 205  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.7673529411764706  Query no. 206  Avg Recall : 1.0  Precision : 0.002857142857142857  NIAP: 0.538695652173913  Query no. 207  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.4998144712430426  Query no. 208  Avg Recall : 1.0  Precision : 0.014285714285714285  NIAP: 0.15339127645048173  Query no. 209  Avg Recall : 1.0  Precision : 0.013571428571428571  NIAP: 0.21608467470248174  Query no. 210  Avg Recall : 1.0  Precision : 0.007142857142857143  NIAP: 0.6397904483430799  Query no. 211  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.37401987353206867  Query no. 212  Avg Recall : 1.0  Precision : 0.0014285714285714286  NIAP: 0.008322532232758032  Query no. 213  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.1359144506666583  Query no. 214  Avg Recall : 1.0  Precision : 0.011428571428571429  NIAP: 0.32705617999572656  Query no. 215  Avg Recall : 1.0  Precision : 0.013571428571428571  NIAP: 0.06643102460193358  Query no. 216  Avg Recall : 1.0  Precision : 0.010714285714285714  NIAP: 0.3493742692757077  Query no. 217  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.5367644767224214  Query no. 218  Avg Recall : 1.0  Precision : 0.0035714285714285713  NIAP: 0.363331891238868  Query no. 219  Avg Recall : 1.0  Precision : 0.002142857142857143  NIAP: 0.3587509077705156  Query no. 220  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.936734693877551  Query no. 221  Avg Recall : 1.0  Precision : 0.009285714285714286  NIAP: 0.10417633606955126  Query no. 222  Avg Recall : 1.0  Precision : 0.005  NIAP: 0.3899656636848287  Query no. 223  Avg Recall : 1.0  Precision : 0.008571428571428572  NIAP: 0.1327682244848273  Query no. 224  Avg Recall : 0.88  Precision : 0.015714285714285715  NIAP: 0.12520172906386423  **Average NIAP: 0.3414596959914902** |

**CACM**

|  |  |
| --- | --- |
| Roccio | ⚫ |
| IDE Reg |  |
| IDE Dec-Hi |  |
| Pseudo |  | Top N |  |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 2  Avg Recall : 1.0  Precision : 0.001560549313358302  NIAP: 0.48521571021571014  Query no. 3  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 4  Avg Recall : 0.8333333333333334  Precision : 0.001560549313358302  NIAP: 0.05948712859122698  Query no. 5  Avg Recall : 0.9166666666666666  Precision : 0.003433208489388265  NIAP: 0.041660579217788714  Query no. 6  Avg Recall : 1.0  Precision : 0.0024968789013732834  NIAP: 0.08499070660621721  Query no. 7  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.4259259259259259  Query no. 8  Avg Recall : 0.9285714285714286  Precision : 0.008114856429463172  NIAP: 0.1583575884931777  Query no. 9  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.16666666666666666  Query no. 10  Avg Recall : 1.0  Precision : 0.0028089887640449437  NIAP: 0.3279034918515273  Query no. 11  Avg Recall : 0.8  Precision : 0.008739076154806492  NIAP: 0.5907089470100426  Query no. 12  Avg Recall : 0.8947368421052632  Precision : 0.005305867665418227  NIAP: 0.30072802902119317  Query no. 13  Avg Recall : 0.8  Precision : 0.0012484394506866417  NIAP: 0.24032010005239224  Query no. 14  Avg Recall : 0.8181818181818182  Precision : 0.0028089887640449437  NIAP: 0.11582413838009921  Query no. 15  Avg Recall : 1.0  Precision : 0.01373283395755306  NIAP: 0.2741691906128944  Query no. 16  Avg Recall : 0.9  Precision : 0.0028089887640449437  NIAP: 0.08509198952562082  Query no. 17  Avg Recall : 0.8125  Precision : 0.004057428214731586  NIAP: 0.05096270474505925  Query no. 18  Avg Recall : 1.0  Precision : 0.005305867665418227  NIAP: 0.05647991097361992  Query no. 19  Avg Recall : 0.9090909090909091  Precision : 0.003121098626716604  NIAP: 0.41730936119896395  Query no. 20  Avg Recall : 0.9090909090909091  Precision : 0.003121098626716604  NIAP: 0.22906007298556988  Query no. 21  Avg Recall : 1.0  Precision : 0.003433208489388265  NIAP: 0.09577385123440217  Query no. 22  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.13261535212754724  Query no. 23  Avg Recall : 1.0  Precision : 0.0012484394506866417  NIAP: 0.029872847011144885  Query no. 24  Avg Recall : 1.0  Precision : 0.005305867665418227  NIAP: 0.35312049974642595  Query no. 25  Avg Recall : 0.8431372549019608  Precision : 0.013420724094881398  NIAP: 0.1509039558947813  Query no. 26  Avg Recall : 0.38461538461538464  Precision : 0.001560549313358302  NIAP: 0.10374824634459522  Query no. 27  Avg Recall : 0.8275862068965517  Precision : 0.00749063670411985  NIAP: 0.23301460166539378  Query no. 28  Avg Recall : 0.8666666666666667  Precision : 0.008114856429463172  NIAP: 0.26344587234916417  Query no. 29  Avg Recall : 1.0  Precision : 0.005930087390761548  NIAP: 0.1668483813672971  Query no. 30  Avg Recall : 0.8  Precision : 0.0012484394506866417  NIAP: 0.638888888888889  Query no. 31  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 32  Avg Recall : 1.0  Precision : 0.0012484394506866417  NIAP: 0.07617534015154132  Query no. 33  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 34  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 35  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.5063694267515924  Query no. 36  Avg Recall : 1.0  Precision : 3.1210986267166043E-4  NIAP: 0.016129032258064516  Query no. 37  Avg Recall : 0.9375  Precision : 0.0046816479400749065  NIAP: 0.18446416213793598  Query no. 38  Avg Recall : 1.0  Precision : 0.003745318352059925  NIAP: 0.340984552202441  Query no. 39  Avg Recall : 0.9  Precision : 0.0056179775280898875  NIAP: 0.2254540180897207  Query no. 40  Avg Recall : 0.8333333333333334  Precision : 0.003121098626716604  NIAP: 0.1669764713128533  Query no. 41  Avg Recall : 0.8095238095238095  Precision : 0.005305867665418227  NIAP: 0.03533355251534037  Query no. 42  Avg Recall : 0.6341463414634146  Precision : 0.008114856429463172  NIAP: 0.14202287412245818  Query no. 43  Avg Recall : 1.0  Precision : 0.003121098626716604  NIAP: 0.31399425543766485  Query no. 44  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 45  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 46  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 47  Avg Recall : 0.5294117647058824  Precision : 0.0028089887640449437  NIAP: 0.14863404753382714  Query no. 48  Avg Recall : 0.9230769230769231  Precision : 0.00749063670411985  NIAP: 0.16685839179139914  Query no. 49  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 50  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 51  Avg Recall : 0.875  Precision : 0.002184769038701623  NIAP: 0.11742413241773855  Query no. 52  Avg Recall : 1.0  Precision : 0.003745318352059925  NIAP: 0.009872935992008234  Query no. 53  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 54  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 55  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 56  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 57  Avg Recall : 0.9069767441860465  Precision : 0.012172284644194757  NIAP: 0.3076991109073502  Query no. 58  Avg Recall : 0.9  Precision : 0.008426966292134831  NIAP: 0.18626544925186156  Query no. 59  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 60  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 61  Avg Recall : 1.0  Precision : 0.003745318352059925  NIAP: 0.5694788599200363  Query no. 62  Avg Recall : 1.0  Precision : 0.0024968789013732834  NIAP: 0.20194875244749844  Query no. 63  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 64  Avg Recall : 0.8518518518518519  Precision : 0.00717852684144819  NIAP: 0.22832561149521377  **Average NIAP: 0.15728470331445976** |

|  |  |
| --- | --- |
| Roccio |  |
| IDE Reg | ⚫ |
| IDE Dec-Hi |  |
| Pseudo |  | Top N |  |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 2  Avg Recall : 0.2  Precision : 3.1210986267166043E-4  NIAP: 0.2  Query no. 3  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 4  Avg Recall : 0.8333333333333334  Precision : 0.001560549313358302  NIAP: 0.059480271235204024  Query no. 5  Avg Recall : 0.9166666666666666  Precision : 0.003433208489388265  NIAP: 0.041640299660266174  Query no. 6  Avg Recall : 1.0  Precision : 0.0024968789013732834  NIAP: 0.08492955699349809  Query no. 7  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.4259259259259259  Query no. 8  Avg Recall : 0.9285714285714286  Precision : 0.008114856429463172  NIAP: 0.15835157836243138  Query no. 9  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.16666666666666666  Query no. 10  Avg Recall : 1.0  Precision : 0.0028089887640449437  NIAP: 0.3254173120837941  Query no. 11  Avg Recall : 0.8  Precision : 0.008739076154806492  NIAP: 0.5809798824568924  Query no. 12  Avg Recall : 0.8947368421052632  Precision : 0.005305867665418227  NIAP: 0.2998148728768152  Query no. 13  Avg Recall : 0.8  Precision : 0.0012484394506866417  NIAP: 0.23992545428637851  Query no. 14  Avg Recall : 0.8181818181818182  Precision : 0.0028089887640449437  NIAP: 0.11558401800630022  Query no. 15  Avg Recall : 1.0  Precision : 0.01373283395755306  NIAP: 0.27444898997961686  Query no. 16  Avg Recall : 0.9  Precision : 0.0028089887640449437  NIAP: 0.0846489037938459  Query no. 17  Avg Recall : 0.8125  Precision : 0.004057428214731586  NIAP: 0.051169189609107775  Query no. 18  Avg Recall : 1.0  Precision : 0.005305867665418227  NIAP: 0.05654978039361194  Query no. 19  Avg Recall : 0.9090909090909091  Precision : 0.003121098626716604  NIAP: 0.42498314561030315  Query no. 20  Avg Recall : 0.9090909090909091  Precision : 0.003121098626716604  NIAP: 0.22883874429652418  Query no. 21  Avg Recall : 1.0  Precision : 0.003433208489388265  NIAP: 0.09576675960196161  Query no. 22  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.13261535212754724  Query no. 23  Avg Recall : 1.0  Precision : 0.0012484394506866417  NIAP: 0.029948598130841123  Query no. 24  Avg Recall : 1.0  Precision : 0.005305867665418227  NIAP: 0.3535791451311229  Query no. 25  Avg Recall : 0.8431372549019608  Precision : 0.013420724094881398  NIAP: 0.1506795131561107  Query no. 26  Avg Recall : 0.38461538461538464  Precision : 0.001560549313358302  NIAP: 0.10394610387114134  Query no. 27  Avg Recall : 0.8275862068965517  Precision : 0.00749063670411985  NIAP: 0.23464198598532332  Query no. 28  Avg Recall : 0.8666666666666667  Precision : 0.008114856429463172  NIAP: 0.2641666202301138  Query no. 29  Avg Recall : 1.0  Precision : 0.005930087390761548  NIAP: 0.16702774776453375  Query no. 30  Avg Recall : 0.8  Precision : 0.0012484394506866417  NIAP: 0.638888888888889  Query no. 31  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 32  Avg Recall : 1.0  Precision : 0.0012484394506866417  NIAP: 0.07616267227917714  Query no. 33  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 34  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 35  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.5063694267515924  Query no. 36  Avg Recall : 1.0  Precision : 3.1210986267166043E-4  NIAP: 0.01639344262295082  Query no. 37  Avg Recall : 0.9375  Precision : 0.0046816479400749065  NIAP: 0.18444562294291342  Query no. 38  Avg Recall : 1.0  Precision : 0.003745318352059925  NIAP: 0.340980885249752  Query no. 39  Avg Recall : 0.9  Precision : 0.0056179775280898875  NIAP: 0.22474368246334686  Query no. 40  Avg Recall : 0.8333333333333334  Precision : 0.003121098626716604  NIAP: 0.166993556685041  Query no. 41  Avg Recall : 0.8095238095238095  Precision : 0.005305867665418227  NIAP: 0.03537525360747983  Query no. 42  Avg Recall : 0.6341463414634146  Precision : 0.008114856429463172  NIAP: 0.14291556028371344  Query no. 43  Avg Recall : 1.0  Precision : 0.003121098626716604  NIAP: 0.31407906468752705  Query no. 44  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 45  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 46  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 47  Avg Recall : 0.5294117647058824  Precision : 0.0028089887640449437  NIAP: 0.148421049991223  Query no. 48  Avg Recall : 0.9230769230769231  Precision : 0.00749063670411985  NIAP: 0.1668726043663422  Query no. 49  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 50  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 51  Avg Recall : 0.875  Precision : 0.002184769038701623  NIAP: 0.11745844614322876  Query no. 52  Avg Recall : 1.0  Precision : 0.003745318352059925  NIAP: 0.009878342602639778  Query no. 53  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 54  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 55  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 56  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 57  Avg Recall : 0.9069767441860465  Precision : 0.012172284644194757  NIAP: 0.30774326351949965  Query no. 58  Avg Recall : 0.9  Precision : 0.008426966292134831  NIAP: 0.1862290311290735  Query no. 59  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 60  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 61  Avg Recall : 1.0  Precision : 0.003745318352059925  NIAP: 0.5679104739449566  Query no. 62  Avg Recall : 1.0  Precision : 0.0024968789013732834  NIAP: 0.20179819538637228  Query no. 63  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 64  Avg Recall : 0.8518518518518519  Precision : 0.00717852684144819  NIAP: 0.22832055799405088  **Average NIAP: 0.15282625291962537** |

|  |  |
| --- | --- |
| Roccio |  |
| IDE Reg |  |
| IDE Dec-Hi | ⚫ |
| Pseudo |  | Top N |  |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 2  Avg Recall : 1.0  Precision : 0.001560549313358302  NIAP: 0.4595125253893026  Query no. 3  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 4  Avg Recall : 0.8333333333333334  Precision : 0.001560549313358302  NIAP: 0.05948369295849337  Query no. 5  Avg Recall : 0.9166666666666666  Precision : 0.003433208489388265  NIAP: 0.041645134134887116  Query no. 6  Avg Recall : 1.0  Precision : 0.0024968789013732834  NIAP: 0.08499070660621721  Query no. 7  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.4259259259259259  Query no. 8  Avg Recall : 0.9285714285714286  Precision : 0.008114856429463172  NIAP: 0.15832982181457983  Query no. 9  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.16666666666666666  Query no. 10  Avg Recall : 1.0  Precision : 0.0028089887640449437  NIAP: 0.32805237522621705  Query no. 11  Avg Recall : 0.8  Precision : 0.008739076154806492  NIAP: 0.5861878681819667  Query no. 12  Avg Recall : 0.8947368421052632  Precision : 0.005305867665418227  NIAP: 0.2973189300573152  Query no. 13  Avg Recall : 0.8  Precision : 0.0012484394506866417  NIAP: 0.24013781223083547  Query no. 14  Avg Recall : 0.8181818181818182  Precision : 0.0028089887640449437  NIAP: 0.11578318086578503  Query no. 15  Avg Recall : 1.0  Precision : 0.01373283395755306  NIAP: 0.27438652733962365  Query no. 16  Avg Recall : 0.9  Precision : 0.0028089887640449437  NIAP: 0.08321178411776504  Query no. 17  Avg Recall : 0.8125  Precision : 0.004057428214731586  NIAP: 0.05079427188059752  Query no. 18  Avg Recall : 1.0  Precision : 0.005305867665418227  NIAP: 0.05655757798669186  Query no. 19  Avg Recall : 0.9090909090909091  Precision : 0.003121098626716604  NIAP: 0.4171144731775229  Query no. 20  Avg Recall : 0.9090909090909091  Precision : 0.003121098626716604  NIAP: 0.22894388074993124  Query no. 21  Avg Recall : 1.0  Precision : 0.003433208489388265  NIAP: 0.09578231945685714  Query no. 22  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.13261535212754724  Query no. 23  Avg Recall : 1.0  Precision : 0.0012484394506866417  NIAP: 0.029863636363636363  Query no. 24  Avg Recall : 1.0  Precision : 0.005305867665418227  NIAP: 0.3536691438313655  Query no. 25  Avg Recall : 0.8431372549019608  Precision : 0.013420724094881398  NIAP: 0.15036133960704773  Query no. 26  Avg Recall : 0.38461538461538464  Precision : 0.001560549313358302  NIAP: 0.1013043228688632  Query no. 27  Avg Recall : 0.8275862068965517  Precision : 0.00749063670411985  NIAP: 0.23331087638419667  Query no. 28  Avg Recall : 0.8666666666666667  Precision : 0.008114856429463172  NIAP: 0.26445060140322946  Query no. 29  Avg Recall : 1.0  Precision : 0.005930087390761548  NIAP: 0.16691952849841976  Query no. 30  Avg Recall : 0.8  Precision : 0.0012484394506866417  NIAP: 0.638888888888889  Query no. 31  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 32  Avg Recall : 1.0  Precision : 0.0012484394506866417  NIAP: 0.07609265734265734  Query no. 33  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 34  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 35  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.5064102564102564  Query no. 36  Avg Recall : 1.0  Precision : 3.1210986267166043E-4  NIAP: 0.01639344262295082  Query no. 37  Avg Recall : 0.9375  Precision : 0.0046816479400749065  NIAP: 0.18441635131034062  Query no. 38  Avg Recall : 1.0  Precision : 0.003745318352059925  NIAP: 0.3410032586164962  Query no. 39  Avg Recall : 0.9  Precision : 0.0056179775280898875  NIAP: 0.22496222735211294  Query no. 40  Avg Recall : 0.8333333333333334  Precision : 0.003121098626716604  NIAP: 0.16697708939457637  Query no. 41  Avg Recall : 0.8095238095238095  Precision : 0.005305867665418227  NIAP: 0.035281074891963804  Query no. 42  Avg Recall : 0.6341463414634146  Precision : 0.008114856429463172  NIAP: 0.14289948249585951  Query no. 43  Avg Recall : 1.0  Precision : 0.003121098626716604  NIAP: 0.31399425543766485  Query no. 44  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 45  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 46  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 47  Avg Recall : 0.5294117647058824  Precision : 0.0028089887640449437  NIAP: 0.14866867053651167  Query no. 48  Avg Recall : 0.9230769230769231  Precision : 0.00749063670411985  NIAP: 0.1668490295829939  Query no. 49  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 50  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 51  Avg Recall : 0.875  Precision : 0.002184769038701623  NIAP: 0.11743088708811064  Query no. 52  Avg Recall : 1.0  Precision : 0.003745318352059925  NIAP: 0.009874420585767754  Query no. 53  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 54  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 55  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 56  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 57  Avg Recall : 0.9069767441860465  Precision : 0.012172284644194757  NIAP: 0.30776041887346745  Query no. 58  Avg Recall : 0.9  Precision : 0.008426966292134831  NIAP: 0.1862432598255236  Query no. 59  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 60  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 61  Avg Recall : 1.0  Precision : 0.003745318352059925  NIAP: 0.569550074846685  Query no. 62  Avg Recall : 1.0  Precision : 0.0024968789013732834  NIAP: 0.20179819538637228  Query no. 63  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 64  Avg Recall : 0.8518518518518519  Precision : 0.00717852684144819  NIAP: 0.22832398988395824  **Average NIAP: 0.15672520318807145** |

|  |  |
| --- | --- |
| Roccio | ⚫ |
| IDE Reg |  |
| IDE Dec-Hi |  |
| Pseudo | ⚫ | Top N | 10 |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 2  Avg Recall : 1.0  Precision : 0.001560549313358302  NIAP: 0.23120732219770984  Query no. 3  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 4  Avg Recall : 0.8333333333333334  Precision : 0.001560549313358302  NIAP: 0.05950451839551516  Query no. 5  Avg Recall : 0.9166666666666666  Precision : 0.003433208489388265  NIAP: 0.04162851412512059  Query no. 6  Avg Recall : 1.0  Precision : 0.0024968789013732834  NIAP: 0.08492955699349809  Query no. 7  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.4259259259259259  Query no. 8  Avg Recall : 0.9285714285714286  Precision : 0.008114856429463172  NIAP: 0.15833334709337116  Query no. 9  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.16666666666666666  Query no. 10  Avg Recall : 1.0  Precision : 0.0028089887640449437  NIAP: 0.3281470998137664  Query no. 11  Avg Recall : 0.8  Precision : 0.008739076154806492  NIAP: 0.5813369652060663  Query no. 12  Avg Recall : 0.8947368421052632  Precision : 0.005305867665418227  NIAP: 0.2971049308920613  Query no. 13  Avg Recall : 0.8  Precision : 0.0012484394506866417  NIAP: 0.240057004018316  Query no. 14  Avg Recall : 0.8181818181818182  Precision : 0.0028089887640449437  NIAP: 0.11563757224729578  Query no. 15  Avg Recall : 1.0  Precision : 0.01373283395755306  NIAP: 0.2737421108220924  Query no. 16  Avg Recall : 0.9  Precision : 0.0028089887640449437  NIAP: 0.08685437932890831  Query no. 17  Avg Recall : 0.8125  Precision : 0.004057428214731586  NIAP: 0.05066863355177137  Query no. 18  Avg Recall : 1.0  Precision : 0.005305867665418227  NIAP: 0.056597934472950764  Query no. 19  Avg Recall : 0.9090909090909091  Precision : 0.003121098626716604  NIAP: 0.4138051587249448  Query no. 20  Avg Recall : 0.9090909090909091  Precision : 0.003121098626716604  NIAP: 0.22913789405370064  Query no. 21  Avg Recall : 1.0  Precision : 0.003433208489388265  NIAP: 0.0956800349659931  Query no. 22  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.13261535212754724  Query no. 23  Avg Recall : 1.0  Precision : 0.0012484394506866417  NIAP: 0.029968140183193943  Query no. 24  Avg Recall : 1.0  Precision : 0.005305867665418227  NIAP: 0.3538440514065554  Query no. 25  Avg Recall : 0.8431372549019608  Precision : 0.013420724094881398  NIAP: 0.15065412288809324  Query no. 26  Avg Recall : 0.38461538461538464  Precision : 0.001560549313358302  NIAP: 0.1041008357225645  Query no. 27  Avg Recall : 0.8275862068965517  Precision : 0.00749063670411985  NIAP: 0.2330017408742549  Query no. 28  Avg Recall : 0.8666666666666667  Precision : 0.008114856429463172  NIAP: 0.264013069370568  Query no. 29  Avg Recall : 1.0  Precision : 0.005930087390761548  NIAP: 0.16702511690706026  Query no. 30  Avg Recall : 0.8  Precision : 0.0012484394506866417  NIAP: 0.638888888888889  Query no. 31  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 32  Avg Recall : 1.0  Precision : 0.0012484394506866417  NIAP: 0.07551261810799621  Query no. 33  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 34  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 35  Avg Recall : 1.0  Precision : 9.363295880149813E-4  NIAP: 0.5063694267515924  Query no. 36  Avg Recall : 1.0  Precision : 3.1210986267166043E-4  NIAP: 0.016129032258064516  Query no. 37  Avg Recall : 0.9375  Precision : 0.0046816479400749065  NIAP: 0.18449977959612868  Query no. 38  Avg Recall : 1.0  Precision : 0.003745318352059925  NIAP: 0.34099570072303237  Query no. 39  Avg Recall : 0.9  Precision : 0.0056179775280898875  NIAP: 0.2254159583888305  Query no. 40  Avg Recall : 0.8333333333333334  Precision : 0.003121098626716604  NIAP: 0.16697370140162338  Query no. 41  Avg Recall : 0.8095238095238095  Precision : 0.005305867665418227  NIAP: 0.03538922951884863  Query no. 42  Avg Recall : 0.6341463414634146  Precision : 0.008114856429463172  NIAP: 0.14233055765975205  Query no. 43  Avg Recall : 1.0  Precision : 0.003121098626716604  NIAP: 0.31407906468752705  Query no. 44  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 45  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 46  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 47  Avg Recall : 0.5294117647058824  Precision : 0.0028089887640449437  NIAP: 0.14845534986099165  Query no. 48  Avg Recall : 0.9230769230769231  Precision : 0.00749063670411985  NIAP: 0.16685169518451146  Query no. 49  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 50  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 51  Avg Recall : 0.875  Precision : 0.002184769038701623  NIAP: 0.11746195315725681  Query no. 52  Avg Recall : 1.0  Precision : 0.003745318352059925  NIAP: 0.009876304358271379  Query no. 53  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 54  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 55  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 56  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 57  Avg Recall : 0.9069767441860465  Precision : 0.012172284644194757  NIAP: 0.30769931629875197  Query no. 58  Avg Recall : 0.9  Precision : 0.008426966292134831  NIAP: 0.18624294196217187  Query no. 59  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 60  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 61  Avg Recall : 1.0  Precision : 0.003745318352059925  NIAP: 0.567693145634322  Query no. 62  Avg Recall : 1.0  Precision : 0.0024968789013732834  NIAP: 0.20239067163941765  Query no. 63  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 64  Avg Recall : 0.8518518518518519  Precision : 0.00717852684144819  NIAP: 0.22828316184227082  **Average NIAP: 0.1531342537983964** |

**MED**

|  |  |
| --- | --- |
| Roccio | ⚫ |
| IDE Reg |  |
| IDE Dec-Hi |  |
| Pseudo |  | Top N |  |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 1.0  Precision : 0.03581800580832527  NIAP: 0.9519921975949425  Query no. 2  Avg Recall : 0.9375  Precision : 0.01452081316553727  NIAP: 0.41896170121218923  Query no. 3  Avg Recall : 0.9090909090909091  Precision : 0.01936108422071636  NIAP: 0.5073469382538931  Query no. 4  Avg Recall : 1.0  Precision : 0.022265246853823813  NIAP: 0.2640739047261317  Query no. 5  Avg Recall : 0.9615384615384616  Precision : 0.02420135527589545  NIAP: 0.7014698231664045  Query no. 6  Avg Recall : 1.0  Precision : 0.012584704743465635  NIAP: 0.5605716122957504  Query no. 7  Avg Recall : 1.0  Precision : 0.01452081316553727  NIAP: 0.6654809048126801  Query no. 8  Avg Recall : 1.0  Precision : 0.010648596321393998  NIAP: 0.3349741118199761  Query no. 9  Avg Recall : 0.9285714285714286  Precision : 0.02516940948693127  NIAP: 0.3727255906200461  Query no. 10  Avg Recall : 0.375  Precision : 0.008712487899322363  NIAP: 0.21146723646723645  Query no. 11  Avg Recall : 1.0  Precision : 0.017424975798644726  NIAP: 0.5658231906482897  Query no. 12  Avg Recall : 0.8888888888888888  Precision : 0.007744433688286544  NIAP: 0.4280824976165477  Query no. 13  Avg Recall : 0.9523809523809523  Precision : 0.01936108422071636  NIAP: 0.8304895615987161  Query no. 14  Avg Recall : 1.0  Precision : 0.015488867376573089  NIAP: 0.619017830082238  Query no. 15  Avg Recall : 0.8620689655172413  Precision : 0.02420135527589545  NIAP: 0.5133066536807389  Query no. 16  Avg Recall : 0.9047619047619048  Precision : 0.018393030009680542  NIAP: 0.24283639804845064  Query no. 17  Avg Recall : 1.0  Precision : 0.012584704743465635  NIAP: 0.6546920450599577  Query no. 18  Avg Recall : 0.9629629629629629  Precision : 0.02516940948693127  NIAP: 0.3934060850074818  Query no. 19  Avg Recall : 0.8666666666666667  Precision : 0.012584704743465635  NIAP: 0.37331445025562676  Query no. 20  Avg Recall : 0.7407407407407407  Precision : 0.01936108422071636  NIAP: 0.1862669043618745  Query no. 21  Avg Recall : 0.9743589743589743  Precision : 0.036786060019361085  NIAP: 0.2039957159941035  Query no. 22  Avg Recall : 0.48717948717948717  Precision : 0.018393030009680542  NIAP: 0.43574550591542216  Query no. 23  Avg Recall : 0.96  Precision : 0.023233301064859633  NIAP: 0.19302800050938312  Query no. 24  Avg Recall : 1.0  Precision : 0.023233301064859633  NIAP: 0.7384744939354285  Query no. 25  Avg Recall : 1.0  Precision : 0.021297192642787996  NIAP: 0.7087519351741745  Query no. 26  Avg Recall : 1.0  Precision : 0.017424975798644726  NIAP: 0.5866029968083177  Query no. 27  Avg Recall : 0.8928571428571429  Precision : 0.02420135527589545  NIAP: 0.36476003824395437  Query no. 28  Avg Recall : 1.0  Precision : 0.03581800580832527  NIAP: 0.6846504096949825  Query no. 29  Avg Recall : 1.0  Precision : 0.0377541142303969  NIAP: 0.36548153873045564  **Average NIAP: 0.46925967574451316** |

|  |  |
| --- | --- |
| Roccio |  |
| IDE Reg | ⚫ |
| IDE Dec-Hi |  |
| Pseudo |  | Top N |  |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 1.0  Precision : 0.03581800580832527  NIAP: 0.9533356463068122  Query no. 2  Avg Recall : 0.9375  Precision : 0.01452081316553727  NIAP: 0.41896170121218923  Query no. 3  Avg Recall : 0.9090909090909091  Precision : 0.01936108422071636  NIAP: 0.5055546461998092  Query no. 4  Avg Recall : 1.0  Precision : 0.022265246853823813  NIAP: 0.2652780981185026  Query no. 5  Avg Recall : 0.9615384615384616  Precision : 0.02420135527589545  NIAP: 0.7004470990610532  Query no. 6  Avg Recall : 1.0  Precision : 0.012584704743465635  NIAP: 0.5597236756083563  Query no. 7  Avg Recall : 1.0  Precision : 0.01452081316553727  NIAP: 0.6654255016159156  Query no. 8  Avg Recall : 1.0  Precision : 0.010648596321393998  NIAP: 0.3349741118199761  Query no. 9  Avg Recall : 0.9285714285714286  Precision : 0.02516940948693127  NIAP: 0.3724816566641681  Query no. 10  Avg Recall : 0.375  Precision : 0.008712487899322363  NIAP: 0.21248346560846557  Query no. 11  Avg Recall : 1.0  Precision : 0.017424975798644726  NIAP: 0.5657918052989709  Query no. 12  Avg Recall : 0.8888888888888888  Precision : 0.007744433688286544  NIAP: 0.4280824976165477  Query no. 13  Avg Recall : 0.9523809523809523  Precision : 0.01936108422071636  NIAP: 0.8330405820068792  Query no. 14  Avg Recall : 1.0  Precision : 0.015488867376573089  NIAP: 0.619017830082238  Query no. 15  Avg Recall : 0.8620689655172413  Precision : 0.02420135527589545  NIAP: 0.5121742769890785  Query no. 16  Avg Recall : 0.9047619047619048  Precision : 0.018393030009680542  NIAP: 0.24283639804845064  Query no. 17  Avg Recall : 1.0  Precision : 0.012584704743465635  NIAP: 0.6546920450599577  Query no. 18  Avg Recall : 0.9629629629629629  Precision : 0.02516940948693127  NIAP: 0.3934060850074818  Query no. 19  Avg Recall : 0.8666666666666667  Precision : 0.012584704743465635  NIAP: 0.37331445025562676  Query no. 20  Avg Recall : 0.7407407407407407  Precision : 0.01936108422071636  NIAP: 0.1862669043618745  Query no. 21  Avg Recall : 0.9743589743589743  Precision : 0.036786060019361085  NIAP: 0.2039892205505233  Query no. 22  Avg Recall : 0.48717948717948717  Precision : 0.018393030009680542  NIAP: 0.4333934399624644  Query no. 23  Avg Recall : 0.96  Precision : 0.023233301064859633  NIAP: 0.1928495943235638  Query no. 24  Avg Recall : 1.0  Precision : 0.023233301064859633  NIAP: 0.7391939271518341  Query no. 25  Avg Recall : 1.0  Precision : 0.021297192642787996  NIAP: 0.7087519351741745  Query no. 26  Avg Recall : 1.0  Precision : 0.017424975798644726  NIAP: 0.5844372711589164  Query no. 27  Avg Recall : 0.8928571428571429  Precision : 0.02420135527589545  NIAP: 0.36038099973847226  Query no. 28  Avg Recall : 1.0  Precision : 0.03581800580832527  NIAP: 0.6846415723705925  Query no. 29  Avg Recall : 1.0  Precision : 0.0377541142303969  NIAP: 0.36560715854202674  **Average NIAP: 0.46901778653049747** |

|  |  |
| --- | --- |
| Roccio |  |
| IDE Reg |  |
| IDE Dec-Hi | ⚫ |
| Pseudo |  | Top N |  |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 1.0  Precision : 0.03581800580832527  NIAP: 0.9519921975949425  Query no. 2  Avg Recall : 0.9375  Precision : 0.01452081316553727  NIAP: 0.41896170121218923  Query no. 3  Avg Recall : 0.9090909090909091  Precision : 0.01936108422071636  NIAP: 0.5077881516334218  Query no. 4  Avg Recall : 1.0  Precision : 0.022265246853823813  NIAP: 0.26447357964300844  Query no. 5  Avg Recall : 0.9615384615384616  Precision : 0.02420135527589545  NIAP: 0.7003931467290176  Query no. 6  Avg Recall : 1.0  Precision : 0.012584704743465635  NIAP: 0.5605716122957504  Query no. 7  Avg Recall : 1.0  Precision : 0.01452081316553727  NIAP: 0.6654530574164117  Query no. 8  Avg Recall : 1.0  Precision : 0.010648596321393998  NIAP: 0.3349741118199761  Query no. 9  Avg Recall : 0.9285714285714286  Precision : 0.02516940948693127  NIAP: 0.3724806214505924  Query no. 10  Avg Recall : 0.375  Precision : 0.008712487899322363  NIAP: 0.21542994042994043  Query no. 11  Avg Recall : 1.0  Precision : 0.017424975798644726  NIAP: 0.5650339125719267  Query no. 12  Avg Recall : 0.8888888888888888  Precision : 0.007744433688286544  NIAP: 0.4280824976165477  Query no. 13  Avg Recall : 0.9523809523809523  Precision : 0.01936108422071636  NIAP: 0.8290187029850002  Query no. 14  Avg Recall : 1.0  Precision : 0.015488867376573089  NIAP: 0.619017830082238  Query no. 15  Avg Recall : 0.8620689655172413  Precision : 0.02420135527589545  NIAP: 0.5121756601381524  Query no. 16  Avg Recall : 0.9047619047619048  Precision : 0.018393030009680542  NIAP: 0.24273943219806013  Query no. 17  Avg Recall : 1.0  Precision : 0.012584704743465635  NIAP: 0.6542914040343166  Query no. 18  Avg Recall : 0.9629629629629629  Precision : 0.02516940948693127  NIAP: 0.3938064667691088  Query no. 19  Avg Recall : 0.8666666666666667  Precision : 0.012584704743465635  NIAP: 0.3754463908865532  Query no. 20  Avg Recall : 0.7407407407407407  Precision : 0.01936108422071636  NIAP: 0.18615278279206246  Query no. 21  Avg Recall : 0.9743589743589743  Precision : 0.036786060019361085  NIAP: 0.20398142887850837  Query no. 22  Avg Recall : 0.48717948717948717  Precision : 0.018393030009680542  NIAP: 0.4297087296110874  Query no. 23  Avg Recall : 0.96  Precision : 0.023233301064859633  NIAP: 0.19280889061232703  Query no. 24  Avg Recall : 1.0  Precision : 0.023233301064859633  NIAP: 0.7345078754291999  Query no. 25  Avg Recall : 1.0  Precision : 0.021297192642787996  NIAP: 0.7087519351741745  Query no. 26  Avg Recall : 1.0  Precision : 0.017424975798644726  NIAP: 0.5847818826877385  Query no. 27  Avg Recall : 0.8928571428571429  Precision : 0.02420135527589545  NIAP: 0.3641801474513847  Query no. 28  Avg Recall : 1.0  Precision : 0.03581800580832527  NIAP: 0.6846361307267808  Query no. 29  Avg Recall : 1.0  Precision : 0.0377541142303969  NIAP: 0.36509533101540953    **Average NIAP: 0.46889118506286087** |

|  |  |
| --- | --- |
| Roccio |  |
| IDE Reg |  |
| IDE Dec-Hi |  |
| Pseudo | ⚫ | Top N |  |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 1.0  Precision : 0.03581800580832527  NIAP: 0.8365058322571901  Query no. 2  Avg Recall : 0.9375  Precision : 0.01452081316553727  NIAP: 0.41896170121218923  Query no. 3  Avg Recall : 0.9090909090909091  Precision : 0.01936108422071636  NIAP: 0.5027176290934944  Query no. 4  Avg Recall : 1.0  Precision : 0.022265246853823813  NIAP: 0.26479534208629557  Query no. 5  Avg Recall : 0.9615384615384616  Precision : 0.02420135527589545  NIAP: 0.7012560166656363  Query no. 6  Avg Recall : 1.0  Precision : 0.012584704743465635  NIAP: 0.5605716122957504  Query no. 7  Avg Recall : 1.0  Precision : 0.01452081316553727  NIAP: 0.6654530574164117  Query no. 8  Avg Recall : 1.0  Precision : 0.010648596321393998  NIAP: 0.3349741118199761  Query no. 9  Avg Recall : 0.9285714285714286  Precision : 0.02516940948693127  NIAP: 0.37266113165259146  Query no. 10  Avg Recall : 0.375  Precision : 0.008712487899322363  NIAP: 0.21906769305962848  Query no. 11  Avg Recall : 1.0  Precision : 0.017424975798644726  NIAP: 0.564789904058482  Query no. 12  Avg Recall : 0.8888888888888888  Precision : 0.007744433688286544  NIAP: 0.4280824976165477  Query no. 13  Avg Recall : 0.9523809523809523  Precision : 0.01936108422071636  NIAP: 0.8312898817267673  Query no. 14  Avg Recall : 1.0  Precision : 0.015488867376573089  NIAP: 0.619017830082238  Query no. 15  Avg Recall : 0.8620689655172413  Precision : 0.02420135527589545  NIAP: 0.5133256779929893  Query no. 16  Avg Recall : 0.9047619047619048  Precision : 0.018393030009680542  NIAP: 0.24283639804845064  Query no. 17  Avg Recall : 1.0  Precision : 0.012584704743465635  NIAP: 0.6544886426930938  Query no. 18  Avg Recall : 0.9629629629629629  Precision : 0.02516940948693127  NIAP: 0.3941928787977176  Query no. 19  Avg Recall : 0.8666666666666667  Precision : 0.012584704743465635  NIAP: 0.37617436866888515  Query no. 20  Avg Recall : 0.7407407407407407  Precision : 0.01936108422071636  NIAP: 0.18774786146662542  Query no. 21  Avg Recall : 0.9743589743589743  Precision : 0.036786060019361085  NIAP: 0.20398894667885395  Query no. 22  Avg Recall : 0.48717948717948717  Precision : 0.018393030009680542  NIAP: 0.42823900275674504  Query no. 23  Avg Recall : 0.96  Precision : 0.023233301064859633  NIAP: 0.1928386420435468  Query no. 24  Avg Recall : 1.0  Precision : 0.023233301064859633  NIAP: 0.7391014930839542  Query no. 25  Avg Recall : 1.0  Precision : 0.021297192642787996  NIAP: 0.7087519351741745  Query no. 26  Avg Recall : 1.0  Precision : 0.017424975798644726  NIAP: 0.5848826152884711  Query no. 27  Avg Recall : 0.8928571428571429  Precision : 0.02420135527589545  NIAP: 0.3615243623614914  Query no. 28  Avg Recall : 1.0  Precision : 0.03581800580832527  NIAP: 0.6846650162669661  Query no. 29  Avg Recall : 1.0  Precision : 0.0377541142303969  NIAP: 0.3655928846883925  **Average NIAP: 0.46528316556845184** |

**NPL**

|  |  |
| --- | --- |
| Roccio | ⚫ |
| IDE Reg |  |
| IDE Dec-Hi |  |
| Pseudo |  | Top N |  |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 1.0  Precision : 0.004024849068159944  NIAP: 0.24253320488993954  Query no. 2  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 3  Avg Recall : 1.0  Precision : 0.001662437658587803  NIAP: 0.1988241336302568  Query no. 4  Avg Recall : 0.9333333333333333  Precision : 0.0012249540642225918  NIAP: 0.0663747092964291  Query no. 5  Avg Recall : 1.0  Precision : 0.0028873917228103944  NIAP: 0.14845929271231895  Query no. 6  Avg Recall : 1.0  Precision : 4.374835943652113E-4  NIAP: 0.19480780603193376  Query no. 7  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 8  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.004259990870228015  Query no. 9  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 10  Avg Recall : 0.9  Precision : 7.874704698573804E-4  NIAP: 0.2168328105157115  Query no. 11  Avg Recall : 1.0  Precision : 0.0065622539154781695  NIAP: 0.4603520783929658  Query no. 12  Avg Recall : 1.0  Precision : 8.749671887304226E-5  NIAP: 1.0  Query no. 13  Avg Recall : 1.0  Precision : 1.7499343774608452E-4  NIAP: 0.06746031746031746  Query no. 14  Avg Recall : 1.0  Precision : 9.624639076034649E-4  NIAP: 0.16691305314045  Query no. 15  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.3095238095238095  Query no. 16  Avg Recall : 0.9830508474576272  Precision : 0.005074809694636451  NIAP: 0.20233660947411183  Query no. 17  Avg Recall : 1.0  Precision : 0.0034123720360486483  NIAP: 0.24253936198581522  Query no. 18  Avg Recall : 1.0  Precision : 0.0027998950039373523  NIAP: 0.1515562479187995  Query no. 19  Avg Recall : 0.9821428571428571  Precision : 0.004812319538017324  NIAP: 0.16788369440800335  Query no. 20  Avg Recall : 1.0  Precision : 0.002012424534079972  NIAP: 0.2677923934765792  Query no. 21  Avg Recall : 1.0  Precision : 0.002274914690699099  NIAP: 0.04404850527377645  Query no. 22  Avg Recall : 0.9583333333333334  Precision : 0.002012424534079972  NIAP: 0.14936368046180293  Query no. 23  Avg Recall : 1.0  Precision : 0.0011374573453495494  NIAP: 0.10949970001186712  Query no. 24  Avg Recall : 1.0  Precision : 0.004374835943652113  NIAP: 0.30137641639944435  Query no. 25  Avg Recall : 1.0  Precision : 0.002012424534079972  NIAP: 0.2692000050413342  Query no. 26  Avg Recall : 1.0  Precision : 0.0017499343774608452  NIAP: 0.16564699947447972  Query no. 27  Avg Recall : 1.0  Precision : 0.005687286726747747  NIAP: 0.21489490472126918  Query no. 28  Avg Recall : 1.0  Precision : 0.006387260477732085  NIAP: 0.25451917402614915  Query no. 29  Avg Recall : 0.9743589743589743  Precision : 0.003324875317175606  NIAP: 0.26582315223315806  Query no. 30  Avg Recall : 1.0  Precision : 0.0024499081284451835  NIAP: 0.2625324986792346  Query no. 31  Avg Recall : 1.0  Precision : 0.00463732610027124  NIAP: 0.3606977955874732  Query no. 32  Avg Recall : 1.0  Precision : 9.624639076034649E-4  NIAP: 0.09572757416458835  Query no. 33  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.06629101061835742  Query no. 34  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 35  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.29909466629861364  Query no. 36  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.217250819640911  Query no. 37  Avg Recall : 1.0  Precision : 7.874704698573804E-4  NIAP: 0.04219686581503445  Query no. 38  Avg Recall : 1.0  Precision : 9.624639076034649E-4  NIAP: 0.3094596963581057  Query no. 39  Avg Recall : 1.0  Precision : 0.0011374573453495494  NIAP: 0.5668031203701177  Query no. 40  Avg Recall : 1.0  Precision : 0.0021874179718260564  NIAP: 0.3189353690433473  Query no. 41  Avg Recall : 1.0  Precision : 0.0010499606264765071  NIAP: 0.28130403067746607  Query no. 42  Avg Recall : 1.0  Precision : 0.0026249015661912677  NIAP: 0.23326052056253951  Query no. 43  Avg Recall : 0.875  Precision : 6.124770321112959E-4  NIAP: 0.01867253656052049  Query no. 44  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 45  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 46  Avg Recall : 0.8  Precision : 3.4998687549216904E-4  NIAP: 0.07999016534513492  Query no. 47  Avg Recall : 1.0  Precision : 0.0025374048473182256  NIAP: 0.32876677382409186  Query no. 48  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.15449232084533093  Query no. 49  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.22750240128229482  Query no. 50  Avg Recall : 0.9444444444444444  Precision : 0.002974888441683437  NIAP: 0.16785561619520373  Query no. 51  Avg Recall : 0.42857142857142855  Precision : 0.0031498818794295216  NIAP: 0.06899930765434352  Query no. 52  Avg Recall : 1.0  Precision : 2.624901566191268E-4  NIAP: 0.032233233656370194  Query no. 53  Avg Recall : 1.0  Precision : 0.0027998950039373523  NIAP: 0.2660584683668533  Query no. 54  Avg Recall : 0.9148936170212766  Precision : 0.003762358911540817  NIAP: 0.46989274206116494  Query no. 55  Avg Recall : 1.0  Precision : 4.374835943652113E-4  NIAP: 0.17014347609915476  Query no. 56  Avg Recall : 1.0  Precision : 0.0021874179718260564  NIAP: 0.12319424713332416  Query no. 57  Avg Recall : 1.0  Precision : 0.0013999475019686762  NIAP: 0.23257812058590155  Query no. 58  Avg Recall : 1.0  Precision : 8.749671887304226E-5  NIAP: 0.14285714285714285  Query no. 59  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.40231190346411033  Query no. 60  Avg Recall : 0.9743589743589743  Precision : 0.003324875317175606  NIAP: 0.11547209568503547  Query no. 61  Avg Recall : 0.9230769230769231  Precision : 0.0010499606264765071  NIAP: 0.16360726718847346  Query no. 62  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.20639849856351034  Query no. 63  Avg Recall : 1.0  Precision : 0.0014874442208417185  NIAP: 0.028697750214699703  Query no. 64  Avg Recall : 1.0  Precision : 2.624901566191268E-4  NIAP: 0.08913308913308914  Query no. 65  Avg Recall : 1.0  Precision : 0.003674862192667775  NIAP: 0.10471117224744726  Query no. 66  Avg Recall : 1.0  Precision : 0.0018374310963338875  NIAP: 0.23367326303602778  Query no. 67  Avg Recall : 1.0  Precision : 0.0026249015661912677  NIAP: 0.29951428537852187  Query no. 68  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.06043480501280971  Query no. 69  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.08618478848270453  Query no. 70  Avg Recall : 1.0  Precision : 8.749671887304226E-5  NIAP: 0.009615384615384616  Query no. 71  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 72  Avg Recall : 1.0  Precision : 0.0028873917228103944  NIAP: 0.1000740272867438  Query no. 73  Avg Recall : 1.0  Precision : 0.0012249540642225918  NIAP: 0.2644872660462902  Query no. 74  Avg Recall : 1.0  Precision : 4.374835943652113E-4  NIAP: 0.3704912280701754  Query no. 75  Avg Recall : 1.0  Precision : 0.0018374310963338875  NIAP: 0.07722473289311448  Query no. 76  Avg Recall : 1.0  Precision : 0.0019249278152069298  NIAP: 0.064489984887046  Query no. 77  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.3844605475040257  Query no. 78  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.02779082310568111  Query no. 79  Avg Recall : 1.0  Precision : 0.002362411409572141  NIAP: 0.035553369960174316  Query no. 80  Avg Recall : 1.0  Precision : 0.0020999212529530143  NIAP: 0.24057898194542682  Query no. 81  Avg Recall : 1.0  Precision : 7.874704698573804E-4  NIAP: 0.06064820632287915  Query no. 82  Avg Recall : 1.0  Precision : 0.0025374048473182256  NIAP: 0.0750757788487313  Query no. 83  Avg Recall : 1.0  Precision : 0.0021874179718260564  NIAP: 0.09625135439031123  Query no. 84  Avg Recall : 1.0  Precision : 0.0015749409397147608  NIAP: 0.15954415197433325  Query no. 85  Avg Recall : 0.9375  Precision : 0.0026249015661912677  NIAP: 0.2590497947174359  Query no. 86  Avg Recall : 0.9848484848484849  Precision : 0.005687286726747747  NIAP: 0.38903762608331455  Query no. 87  Avg Recall : 0.9375  Precision : 0.0026249015661912677  NIAP: 0.17100256497582889  Query no. 88  Avg Recall : 0.875  Precision : 6.124770321112959E-4  NIAP: 0.008537942720848169  Query no. 89  Avg Recall : 0.9130434782608695  Precision : 0.0018374310963338875  NIAP: 0.16927181507612535  Query no. 90  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.10560157961730224  Query no. 91  Avg Recall : 1.0  Precision : 0.0017499343774608452  NIAP: 0.07690626293840849  Query no. 92  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.1122577766445691  Query no. 93  Avg Recall : 0.8461538461538461  Precision : 9.624639076034649E-4  NIAP: 0.01057108639327785  Query no. 94  Avg Recall : 0.9615384615384616  Precision : 0.0021874179718260564  NIAP: 0.12617896618010718  Query no. 95  Avg Recall : 1.0  Precision : 0.0019249278152069298  NIAP: 0.2167856080983187  Query no. 96  Avg Recall : 1.0  Precision : 0.0012249540642225918  NIAP: 0.16775809035904873  Query no. 97  Avg Recall : 0.9310344827586207  Precision : 0.002362411409572141  NIAP: 0.15161322046577336  Query no. 98  Avg Recall : 1.0  Precision : 0.003062385160556479  NIAP: 0.3292060042707427  Query no. 99  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.035909508889979444  **Average NIAP: 0.17505725175341397** |

|  |  |
| --- | --- |
| Roccio |  |
| IDE Reg | ⚫ |
| IDE Dec-Hi |  |
| Pseudo |  | Top N |  |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 0.8695652173913043  Precision : 0.0034998687549216904  NIAP: 0.0651493306187468  Query no. 2  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 3  Avg Recall : 1.0  Precision : 0.001662437658587803  NIAP: 0.19870364686016773  Query no. 4  Avg Recall : 0.9333333333333333  Precision : 0.0012249540642225918  NIAP: 0.06485800224483332  Query no. 5  Avg Recall : 1.0  Precision : 0.0028873917228103944  NIAP: 0.14845138949329634  Query no. 6  Avg Recall : 1.0  Precision : 4.374835943652113E-4  NIAP: 0.1951572327044025  Query no. 7  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 8  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.00421614880029267  Query no. 9  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 10  Avg Recall : 0.9  Precision : 7.874704698573804E-4  NIAP: 0.2098116775836861  Query no. 11  Avg Recall : 1.0  Precision : 0.0065622539154781695  NIAP: 0.45998785038321566  Query no. 12  Avg Recall : 1.0  Precision : 8.749671887304226E-5  NIAP: 1.0  Query no. 13  Avg Recall : 1.0  Precision : 1.7499343774608452E-4  NIAP: 0.06760374832663989  Query no. 14  Avg Recall : 1.0  Precision : 9.624639076034649E-4  NIAP: 0.1670941845385031  Query no. 15  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.3095238095238095  Query no. 16  Avg Recall : 0.9830508474576272  Precision : 0.005074809694636451  NIAP: 0.20245506983365022  Query no. 17  Avg Recall : 1.0  Precision : 0.0034123720360486483  NIAP: 0.2427730456277302  Query no. 18  Avg Recall : 1.0  Precision : 0.0027998950039373523  NIAP: 0.1516356299365785  Query no. 19  Avg Recall : 0.9821428571428571  Precision : 0.004812319538017324  NIAP: 0.16780927256716197  Query no. 20  Avg Recall : 1.0  Precision : 0.002012424534079972  NIAP: 0.2678222189150604  Query no. 21  Avg Recall : 1.0  Precision : 0.002274914690699099  NIAP: 0.044053436984393575  Query no. 22  Avg Recall : 0.9583333333333334  Precision : 0.002012424534079972  NIAP: 0.14924896605059004  Query no. 23  Avg Recall : 1.0  Precision : 0.0011374573453495494  NIAP: 0.10963036439416947  Query no. 24  Avg Recall : 1.0  Precision : 0.004374835943652113  NIAP: 0.30127779573869057  Query no. 25  Avg Recall : 1.0  Precision : 0.002012424534079972  NIAP: 0.26955862551556425  Query no. 26  Avg Recall : 1.0  Precision : 0.0017499343774608452  NIAP: 0.16408947778475172  Query no. 27  Avg Recall : 1.0  Precision : 0.005687286726747747  NIAP: 0.21501366192805887  Query no. 28  Avg Recall : 1.0  Precision : 0.006387260477732085  NIAP: 0.25525865787639407  Query no. 29  Avg Recall : 0.9743589743589743  Precision : 0.003324875317175606  NIAP: 0.26667951955973235  Query no. 30  Avg Recall : 1.0  Precision : 0.0024499081284451835  NIAP: 0.26247999918716164  Query no. 31  Avg Recall : 1.0  Precision : 0.00463732610027124  NIAP: 0.36077876677371506  Query no. 32  Avg Recall : 1.0  Precision : 9.624639076034649E-4  NIAP: 0.09539896926461999  Query no. 33  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.06632461728592028  Query no. 34  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 35  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.3116623973097409  Query no. 36  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.217250819640911  Query no. 37  Avg Recall : 1.0  Precision : 7.874704698573804E-4  NIAP: 0.042169792681834316  Query no. 38  Avg Recall : 1.0  Precision : 9.624639076034649E-4  NIAP: 0.3094584789222326  Query no. 39  Avg Recall : 1.0  Precision : 0.0011374573453495494  NIAP: 0.5588970983767362  Query no. 40  Avg Recall : 1.0  Precision : 0.0021874179718260564  NIAP: 0.31787804081664495  Query no. 41  Avg Recall : 1.0  Precision : 0.0010499606264765071  NIAP: 0.28167324154268125  Query no. 42  Avg Recall : 1.0  Precision : 0.0026249015661912677  NIAP: 0.23383128668238623  Query no. 43  Avg Recall : 0.875  Precision : 6.124770321112959E-4  NIAP: 0.018389166839689653  Query no. 44  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 45  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 46  Avg Recall : 0.8  Precision : 3.4998687549216904E-4  NIAP: 0.08021967903183373  Query no. 47  Avg Recall : 1.0  Precision : 0.0025374048473182256  NIAP: 0.32707777286322753  Query no. 48  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.15451394543246216  Query no. 49  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.22748731969088531  Query no. 50  Avg Recall : 0.9444444444444444  Precision : 0.002974888441683437  NIAP: 0.16548344866727735  Query no. 51  Avg Recall : 0.42857142857142855  Precision : 0.0031498818794295216  NIAP: 0.0687903791643539  Query no. 52  Avg Recall : 1.0  Precision : 2.624901566191268E-4  NIAP: 0.032233233656370194  Query no. 53  Avg Recall : 1.0  Precision : 0.0027998950039373523  NIAP: 0.26605204258460635  Query no. 54  Avg Recall : 0.9148936170212766  Precision : 0.003762358911540817  NIAP: 0.46951473902725027  Query no. 55  Avg Recall : 1.0  Precision : 4.374835943652113E-4  NIAP: 0.1701226910281265  Query no. 56  Avg Recall : 1.0  Precision : 0.0021874179718260564  NIAP: 0.12294490397834446  Query no. 57  Avg Recall : 1.0  Precision : 0.0013999475019686762  NIAP: 0.23257129041834682  Query no. 58  Avg Recall : 1.0  Precision : 8.749671887304226E-5  NIAP: 0.14285714285714285  Query no. 59  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.39847663355616064  Query no. 60  Avg Recall : 0.9743589743589743  Precision : 0.003324875317175606  NIAP: 0.11485352537293199  Query no. 61  Avg Recall : 0.9230769230769231  Precision : 0.0010499606264765071  NIAP: 0.1631285825058146  Query no. 62  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.20639874024442842  Query no. 63  Avg Recall : 1.0  Precision : 0.0014874442208417185  NIAP: 0.028683151057081194  Query no. 64  Avg Recall : 1.0  Precision : 2.624901566191268E-4  NIAP: 0.08913308913308914  Query no. 65  Avg Recall : 1.0  Precision : 0.003674862192667775  NIAP: 0.10474049118877456  Query no. 66  Avg Recall : 1.0  Precision : 0.0018374310963338875  NIAP: 0.23556597695142661  Query no. 67  Avg Recall : 1.0  Precision : 0.0026249015661912677  NIAP: 0.30143639908541087  Query no. 68  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.060601334691530895  Query no. 69  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.08626376651753657  Query no. 70  Avg Recall : 1.0  Precision : 8.749671887304226E-5  NIAP: 0.009615384615384616  Query no. 71  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 72  Avg Recall : 1.0  Precision : 0.0028873917228103944  NIAP: 0.10020051219200268  Query no. 73  Avg Recall : 1.0  Precision : 0.0012249540642225918  NIAP: 0.26448286980172786  Query no. 74  Avg Recall : 1.0  Precision : 4.374835943652113E-4  NIAP: 0.3704912280701754  Query no. 75  Avg Recall : 1.0  Precision : 0.0018374310963338875  NIAP: 0.07727496938679047  Query no. 76  Avg Recall : 1.0  Precision : 0.0019249278152069298  NIAP: 0.06450193118033187  Query no. 77  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.3841238471673254  Query no. 78  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.027698816103142194  Query no. 79  Avg Recall : 1.0  Precision : 0.002362411409572141  NIAP: 0.035622674900012294  Query no. 80  Avg Recall : 1.0  Precision : 0.0020999212529530143  NIAP: 0.2402305829837024  Query no. 81  Avg Recall : 1.0  Precision : 7.874704698573804E-4  NIAP: 0.06056086056158865  Query no. 82  Avg Recall : 1.0  Precision : 0.0025374048473182256  NIAP: 0.07507069166025807  Query no. 83  Avg Recall : 1.0  Precision : 0.0021874179718260564  NIAP: 0.09628719497587522  Query no. 84  Avg Recall : 1.0  Precision : 0.0015749409397147608  NIAP: 0.15374012034321471  Query no. 85  Avg Recall : 0.9375  Precision : 0.0026249015661912677  NIAP: 0.2578785909327063  Query no. 86  Avg Recall : 0.9848484848484849  Precision : 0.005687286726747747  NIAP: 0.3900792008418547  Query no. 87  Avg Recall : 0.9375  Precision : 0.0026249015661912677  NIAP: 0.17151540746241653  Query no. 88  Avg Recall : 0.875  Precision : 6.124770321112959E-4  NIAP: 0.008424084609070598  Query no. 89  Avg Recall : 0.9130434782608695  Precision : 0.0018374310963338875  NIAP: 0.17005615173572067  Query no. 90  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.10586199906973548  Query no. 91  Avg Recall : 1.0  Precision : 0.0017499343774608452  NIAP: 0.07685035403941858  Query no. 92  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.11221846846846847  Query no. 93  Avg Recall : 0.8461538461538461  Precision : 9.624639076034649E-4  NIAP: 0.00995047493261523  Query no. 94  Avg Recall : 0.9615384615384616  Precision : 0.0021874179718260564  NIAP: 0.1261760103917051  Query no. 95  Avg Recall : 1.0  Precision : 0.0019249278152069298  NIAP: 0.21675977985131292  Query no. 96  Avg Recall : 1.0  Precision : 0.0012249540642225918  NIAP: 0.1677687275185618  Query no. 97  Avg Recall : 0.9310344827586207  Precision : 0.002362411409572141  NIAP: 0.15199078771542385  Query no. 98  Avg Recall : 1.0  Precision : 0.003062385160556479  NIAP: 0.32863290264293454  Query no. 99  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.03598662567851342  **Average NIAP: 0.173132569676508** |

|  |  |
| --- | --- |
| Roccio |  |
| IDE Reg |  |
| IDE Dec-Hi | ⚫ |
| Pseudo |  | Top N |  |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 1.0  Precision : 0.004024849068159944  NIAP: 0.2544639598301553  Query no. 2  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 3  Avg Recall : 1.0  Precision : 0.001662437658587803  NIAP: 0.1988586227876827  Query no. 4  Avg Recall : 0.9333333333333333  Precision : 0.0012249540642225918  NIAP: 0.06543495075897099  Query no. 5  Avg Recall : 1.0  Precision : 0.0028873917228103944  NIAP: 0.14845547394505879  Query no. 6  Avg Recall : 1.0  Precision : 4.374835943652113E-4  NIAP: 0.19542010909559898  Query no. 7  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 8  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.004240533420028459  Query no. 9  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 10  Avg Recall : 0.9  Precision : 7.874704698573804E-4  NIAP: 0.21458598135438822  Query no. 11  Avg Recall : 1.0  Precision : 0.0065622539154781695  NIAP: 0.4602903240354774  Query no. 12  Avg Recall : 1.0  Precision : 8.749671887304226E-5  NIAP: 1.0  Query no. 13  Avg Recall : 1.0  Precision : 1.7499343774608452E-4  NIAP: 0.06718346253229973  Query no. 14  Avg Recall : 1.0  Precision : 9.624639076034649E-4  NIAP: 0.16716404276871366  Query no. 15  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.3095238095238095  Query no. 16  Avg Recall : 0.9830508474576272  Precision : 0.005074809694636451  NIAP: 0.2023334416558031  Query no. 17  Avg Recall : 1.0  Precision : 0.0034123720360486483  NIAP: 0.24278407558735318  Query no. 18  Avg Recall : 1.0  Precision : 0.0027998950039373523  NIAP: 0.15143282631101596  Query no. 19  Avg Recall : 0.9821428571428571  Precision : 0.004812319538017324  NIAP: 0.1679790099450414  Query no. 20  Avg Recall : 1.0  Precision : 0.002012424534079972  NIAP: 0.2677435122153566  Query no. 21  Avg Recall : 1.0  Precision : 0.002274914690699099  NIAP: 0.04405000525138953  Query no. 22  Avg Recall : 0.9583333333333334  Precision : 0.002012424534079972  NIAP: 0.1495159538587842  Query no. 23  Avg Recall : 1.0  Precision : 0.0011374573453495494  NIAP: 0.1095040425041878  Query no. 24  Avg Recall : 1.0  Precision : 0.004374835943652113  NIAP: 0.3012907019675395  Query no. 25  Avg Recall : 1.0  Precision : 0.002012424534079972  NIAP: 0.26949605665561616  Query no. 26  Avg Recall : 1.0  Precision : 0.0017499343774608452  NIAP: 0.16678059180570642  Query no. 27  Avg Recall : 1.0  Precision : 0.005687286726747747  NIAP: 0.2148509855828616  Query no. 28  Avg Recall : 1.0  Precision : 0.006387260477732085  NIAP: 0.2548030446192251  Query no. 29  Avg Recall : 0.9743589743589743  Precision : 0.003324875317175606  NIAP: 0.2666145573164989  Query no. 30  Avg Recall : 1.0  Precision : 0.0024499081284451835  NIAP: 0.2646251935081283  Query no. 31  Avg Recall : 1.0  Precision : 0.00463732610027124  NIAP: 0.35991665195737116  Query no. 32  Avg Recall : 1.0  Precision : 9.624639076034649E-4  NIAP: 0.09542548024243698  Query no. 33  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.06629101061835742  Query no. 34  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 35  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.31196601908375954  Query no. 36  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.21724143895386946  Query no. 37  Avg Recall : 1.0  Precision : 7.874704698573804E-4  NIAP: 0.04218991852239193  Query no. 38  Avg Recall : 1.0  Precision : 9.624639076034649E-4  NIAP: 0.3094568658606276  Query no. 39  Avg Recall : 1.0  Precision : 0.0011374573453495494  NIAP: 0.5685394637520479  Query no. 40  Avg Recall : 1.0  Precision : 0.0021874179718260564  NIAP: 0.318311747775881  Query no. 41  Avg Recall : 1.0  Precision : 0.0010499606264765071  NIAP: 0.2815498806584302  Query no. 42  Avg Recall : 1.0  Precision : 0.0026249015661912677  NIAP: 0.23490241952315488  Query no. 43  Avg Recall : 0.875  Precision : 6.124770321112959E-4  NIAP: 0.01859695635657945  Query no. 44  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 45  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 46  Avg Recall : 0.8  Precision : 3.4998687549216904E-4  NIAP: 0.07949408245545585  Query no. 47  Avg Recall : 1.0  Precision : 0.0025374048473182256  NIAP: 0.3271264965816466  Query no. 48  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.15520884598240284  Query no. 49  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.22841220418370126  Query no. 50  Avg Recall : 0.9444444444444444  Precision : 0.002974888441683437  NIAP: 0.1680716696087074  Query no. 51  Avg Recall : 0.42857142857142855  Precision : 0.0031498818794295216  NIAP: 0.06891226165982192  Query no. 52  Avg Recall : 1.0  Precision : 2.624901566191268E-4  NIAP: 0.03227738376674547  Query no. 53  Avg Recall : 1.0  Precision : 0.0027998950039373523  NIAP: 0.26643695949539503  Query no. 54  Avg Recall : 0.9148936170212766  Precision : 0.003762358911540817  NIAP: 0.46920317499042813  Query no. 55  Avg Recall : 1.0  Precision : 4.374835943652113E-4  NIAP: 0.17013017666039107  Query no. 56  Avg Recall : 1.0  Precision : 0.0021874179718260564  NIAP: 0.1229891712209771  Query no. 57  Avg Recall : 1.0  Precision : 0.0013999475019686762  NIAP: 0.23258235104944605  Query no. 58  Avg Recall : 1.0  Precision : 8.749671887304226E-5  NIAP: 0.14285714285714285  Query no. 59  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.39843733934740483  Query no. 60  Avg Recall : 0.9743589743589743  Precision : 0.003324875317175606  NIAP: 0.1151924136277309  Query no. 61  Avg Recall : 0.9230769230769231  Precision : 0.0010499606264765071  NIAP: 0.16340347338132793  Query no. 62  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.2064610997072498  Query no. 63  Avg Recall : 1.0  Precision : 0.0014874442208417185  NIAP: 0.02866048899631162  Query no. 64  Avg Recall : 1.0  Precision : 2.624901566191268E-4  NIAP: 0.08913308913308914  Query no. 65  Avg Recall : 1.0  Precision : 0.003674862192667775  NIAP: 0.10420274688076979  Query no. 66  Avg Recall : 1.0  Precision : 0.0018374310963338875  NIAP: 0.23241401379225868  Query no. 67  Avg Recall : 1.0  Precision : 0.0026249015661912677  NIAP: 0.3014771850337243  Query no. 68  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.06044418569985124  Query no. 69  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.08622308418750205  Query no. 70  Avg Recall : 1.0  Precision : 8.749671887304226E-5  NIAP: 0.009615384615384616  Query no. 71  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 72  Avg Recall : 1.0  Precision : 0.0028873917228103944  NIAP: 0.10056458035660099  Query no. 73  Avg Recall : 1.0  Precision : 0.0012249540642225918  NIAP: 0.26438443657558464  Query no. 74  Avg Recall : 1.0  Precision : 4.374835943652113E-4  NIAP: 0.37032034632034627  Query no. 75  Avg Recall : 1.0  Precision : 0.0018374310963338875  NIAP: 0.0772508380081626  Query no. 76  Avg Recall : 1.0  Precision : 0.0019249278152069298  NIAP: 0.06445024658280116  Query no. 77  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.38379917184265006  Query no. 78  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.02744681872725595  Query no. 79  Avg Recall : 1.0  Precision : 0.002362411409572141  NIAP: 0.035596090170626114  Query no. 80  Avg Recall : 1.0  Precision : 0.0020999212529530143  NIAP: 0.23918799551617456  Query no. 81  Avg Recall : 1.0  Precision : 7.874704698573804E-4  NIAP: 0.06056993082355317  Query no. 82  Avg Recall : 1.0  Precision : 0.0025374048473182256  NIAP: 0.07500374559330251  Query no. 83  Avg Recall : 1.0  Precision : 0.0021874179718260564  NIAP: 0.09628329669478522  Query no. 84  Avg Recall : 1.0  Precision : 0.0015749409397147608  NIAP: 0.1600990498978747  Query no. 85  Avg Recall : 0.9375  Precision : 0.0026249015661912677  NIAP: 0.2598494338003673  Query no. 86  Avg Recall : 0.9848484848484849  Precision : 0.005687286726747747  NIAP: 0.38915859237889927  Query no. 87  Avg Recall : 0.9375  Precision : 0.0026249015661912677  NIAP: 0.17053756393892186  Query no. 88  Avg Recall : 0.875  Precision : 6.124770321112959E-4  NIAP: 0.008485439443306451  Query no. 89  Avg Recall : 0.9130434782608695  Precision : 0.0018374310963338875  NIAP: 0.16915387884400482  Query no. 90  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.10621753741912976  Query no. 91  Avg Recall : 1.0  Precision : 0.0017499343774608452  NIAP: 0.07698103080258416  Query no. 92  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.1122577766445691  Query no. 93  Avg Recall : 0.8461538461538461  Precision : 9.624639076034649E-4  NIAP: 0.01059502062804468  Query no. 94  Avg Recall : 0.9615384615384616  Precision : 0.0021874179718260564  NIAP: 0.12623560243825743  Query no. 95  Avg Recall : 1.0  Precision : 0.0019249278152069298  NIAP: 0.2168716367022374  Query no. 96  Avg Recall : 1.0  Precision : 0.0012249540642225918  NIAP: 0.16774959606944115  Query no. 97  Avg Recall : 0.9310344827586207  Precision : 0.002362411409572141  NIAP: 0.15197095476634478  Query no. 98  Avg Recall : 1.0  Precision : 0.003062385160556479  NIAP: 0.32804823014383794  Query no. 99  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.03574892623383385  **Average NIAP: 0.17527997314419963** |

|  |  |
| --- | --- |
| Roccio | ⚫ |
| IDE Reg |  |
| IDE Dec-Hi |  |
| Pseudo | ⚫ | Top N | 10 |
| Top S | 20 |  |  |

1. Konfigurasi:

|  |  |  |  |
| --- | --- | --- | --- |
| Raw TF | ⚫ | IDF | ⚫ |
| Log TF |  | Normalization |  |
| Augmented TF |  | Stemming | ⚫ |
| Binary TF |  |  |  |

Hasil:

|  |
| --- |
| Query no. 1  Avg Recall : 1.0  Precision : 0.004024849068159944  NIAP: 0.2251987021168321  Query no. 2  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 3  Avg Recall : 1.0  Precision : 0.001662437658587803  NIAP: 0.19861804955513226  Query no. 4  Avg Recall : 0.9333333333333333  Precision : 0.0012249540642225918  NIAP: 0.06585848736078109  Query no. 5  Avg Recall : 1.0  Precision : 0.0028873917228103944  NIAP: 0.14844645190306455  Query no. 6  Avg Recall : 1.0  Precision : 4.374835943652113E-4  NIAP: 0.1948309742691765  Query no. 7  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 8  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.004267793510645279  Query no. 9  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 10  Avg Recall : 0.9  Precision : 7.874704698573804E-4  NIAP: 0.22275450364117994  Query no. 11  Avg Recall : 1.0  Precision : 0.0065622539154781695  NIAP: 0.46012105736875847  Query no. 12  Avg Recall : 1.0  Precision : 8.749671887304226E-5  NIAP: 1.0  Query no. 13  Avg Recall : 1.0  Precision : 1.7499343774608452E-4  NIAP: 0.06775067750677506  Query no. 14  Avg Recall : 1.0  Precision : 9.624639076034649E-4  NIAP: 0.16708627781599492  Query no. 15  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.3095238095238095  Query no. 16  Avg Recall : 0.9830508474576272  Precision : 0.005074809694636451  NIAP: 0.2018776043568992  Query no. 17  Avg Recall : 1.0  Precision : 0.0034123720360486483  NIAP: 0.24253590143112363  Query no. 18  Avg Recall : 1.0  Precision : 0.0027998950039373523  NIAP: 0.1515960683903259  Query no. 19  Avg Recall : 0.9821428571428571  Precision : 0.004812319538017324  NIAP: 0.16791578376905497  Query no. 20  Avg Recall : 1.0  Precision : 0.002012424534079972  NIAP: 0.2678273641476741  Query no. 21  Avg Recall : 1.0  Precision : 0.002274914690699099  NIAP: 0.04405405060311675  Query no. 22  Avg Recall : 0.9583333333333334  Precision : 0.002012424534079972  NIAP: 0.14887584070069795  Query no. 23  Avg Recall : 1.0  Precision : 0.0011374573453495494  NIAP: 0.10955798575588702  Query no. 24  Avg Recall : 1.0  Precision : 0.004374835943652113  NIAP: 0.3012756150756174  Query no. 25  Avg Recall : 1.0  Precision : 0.002012424534079972  NIAP: 0.2693127953683142  Query no. 26  Avg Recall : 1.0  Precision : 0.0017499343774608452  NIAP: 0.16448943508140074  Query no. 27  Avg Recall : 1.0  Precision : 0.005687286726747747  NIAP: 0.21476904058916238  Query no. 28  Avg Recall : 1.0  Precision : 0.006387260477732085  NIAP: 0.25509281003023404  Query no. 29  Avg Recall : 0.9743589743589743  Precision : 0.003324875317175606  NIAP: 0.2664930200829545  Query no. 30  Avg Recall : 1.0  Precision : 0.0024499081284451835  NIAP: 0.26397853599238924  Query no. 31  Avg Recall : 1.0  Precision : 0.00463732610027124  NIAP: 0.36005235882888853  Query no. 32  Avg Recall : 1.0  Precision : 9.624639076034649E-4  NIAP: 0.09588009959698683  Query no. 33  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.06632461728592028  Query no. 34  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 35  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.2989857711465208  Query no. 36  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.21724143895386946  Query no. 37  Avg Recall : 1.0  Precision : 7.874704698573804E-4  NIAP: 0.042177208042868536  Query no. 38  Avg Recall : 1.0  Precision : 9.624639076034649E-4  NIAP: 0.3094491650014881  Query no. 39  Avg Recall : 1.0  Precision : 0.0011374573453495494  NIAP: 0.5595443941189687  Query no. 40  Avg Recall : 1.0  Precision : 0.0021874179718260564  NIAP: 0.31855650636391336  Query no. 41  Avg Recall : 1.0  Precision : 0.0010499606264765071  NIAP: 0.2810109327255291  Query no. 42  Avg Recall : 1.0  Precision : 0.0026249015661912677  NIAP: 0.23422504243079645  Query no. 43  Avg Recall : 0.875  Precision : 6.124770321112959E-4  NIAP: 0.01859737017502579  Query no. 44  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 45  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 46  Avg Recall : 0.8  Precision : 3.4998687549216904E-4  NIAP: 0.07950363036303632  Query no. 47  Avg Recall : 1.0  Precision : 0.0025374048473182256  NIAP: 0.32832176817548003  Query no. 48  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.15436295392488678  Query no. 49  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.22858345838721353  Query no. 50  Avg Recall : 0.9444444444444444  Precision : 0.002974888441683437  NIAP: 0.1668669414069343  Query no. 51  Avg Recall : 0.42857142857142855  Precision : 0.0031498818794295216  NIAP: 0.06651684614154571  Query no. 52  Avg Recall : 1.0  Precision : 2.624901566191268E-4  NIAP: 0.03218966446849986  Query no. 53  Avg Recall : 1.0  Precision : 0.0027998950039373523  NIAP: 0.26582089139603166  Query no. 54  Avg Recall : 0.9148936170212766  Precision : 0.003762358911540817  NIAP: 0.4694669563184594  Query no. 55  Avg Recall : 1.0  Precision : 4.374835943652113E-4  NIAP: 0.17016688525213358  Query no. 56  Avg Recall : 1.0  Precision : 0.0021874179718260564  NIAP: 0.12256855946813194  Query no. 57  Avg Recall : 1.0  Precision : 0.0013999475019686762  NIAP: 0.23257770559552565  Query no. 58  Avg Recall : 1.0  Precision : 8.749671887304226E-5  NIAP: 0.14285714285714285  Query no. 59  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.4012702983291218  Query no. 60  Avg Recall : 0.9743589743589743  Precision : 0.003324875317175606  NIAP: 0.11501050219421464  Query no. 61  Avg Recall : 0.9230769230769231  Precision : 0.0010499606264765071  NIAP: 0.16302676410539557  Query no. 62  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.20641550255070845  Query no. 63  Avg Recall : 1.0  Precision : 0.0014874442208417185  NIAP: 0.028666958212464996  Query no. 64  Avg Recall : 1.0  Precision : 2.624901566191268E-4  NIAP: 0.08913308913308914  Query no. 65  Avg Recall : 1.0  Precision : 0.003674862192667775  NIAP: 0.10445934478737995  Query no. 66  Avg Recall : 1.0  Precision : 0.0018374310963338875  NIAP: 0.23494972168898734  Query no. 67  Avg Recall : 1.0  Precision : 0.0026249015661912677  NIAP: 0.2968019276006148  Query no. 68  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.06050194885646566  Query no. 69  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.08629224191833904  Query no. 70  Avg Recall : 1.0  Precision : 8.749671887304226E-5  NIAP: 0.009345794392523364  Query no. 71  Avg Recall : 0.0  Precision : 0.0  NIAP: 0.0  Query no. 72  Avg Recall : 1.0  Precision : 0.0028873917228103944  NIAP: 0.10061032704783049  Query no. 73  Avg Recall : 1.0  Precision : 0.0012249540642225918  NIAP: 0.2643066003872484  Query no. 74  Avg Recall : 1.0  Precision : 4.374835943652113E-4  NIAP: 0.3901799954431533  Query no. 75  Avg Recall : 1.0  Precision : 0.0018374310963338875  NIAP: 0.07765124485993757  Query no. 76  Avg Recall : 1.0  Precision : 0.0019249278152069298  NIAP: 0.06452183397978459  Query no. 77  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.3841238471673254  Query no. 78  Avg Recall : 1.0  Precision : 6.999737509843381E-4  NIAP: 0.028446375011557196  Query no. 79  Avg Recall : 1.0  Precision : 0.002362411409572141  NIAP: 0.035563319119886534  Query no. 80  Avg Recall : 1.0  Precision : 0.0020999212529530143  NIAP: 0.23897985054975676  Query no. 81  Avg Recall : 1.0  Precision : 7.874704698573804E-4  NIAP: 0.06058242252907759  Query no. 82  Avg Recall : 1.0  Precision : 0.0025374048473182256  NIAP: 0.07487302335348837  Query no. 83  Avg Recall : 1.0  Precision : 0.0021874179718260564  NIAP: 0.095735455610758  Query no. 84  Avg Recall : 1.0  Precision : 0.0015749409397147608  NIAP: 0.1525499450576584  Query no. 85  Avg Recall : 0.9375  Precision : 0.0026249015661912677  NIAP: 0.2597886302551647  Query no. 86  Avg Recall : 0.9848484848484849  Precision : 0.005687286726747747  NIAP: 0.39164691064204865  Query no. 87  Avg Recall : 0.9375  Precision : 0.0026249015661912677  NIAP: 0.168821460432698  Query no. 88  Avg Recall : 0.875  Precision : 6.124770321112959E-4  NIAP: 0.008499747059475746  Query no. 89  Avg Recall : 0.9130434782608695  Precision : 0.0018374310963338875  NIAP: 0.16922651623221555  Query no. 90  Avg Recall : 1.0  Precision : 6.124770321112959E-4  NIAP: 0.1062485649547505  Query no. 91  Avg Recall : 1.0  Precision : 0.0017499343774608452  NIAP: 0.07691507105744957  Query no. 92  Avg Recall : 1.0  Precision : 3.4998687549216904E-4  NIAP: 0.11212264150943395  Query no. 93  Avg Recall : 0.8461538461538461  Precision : 9.624639076034649E-4  NIAP: 0.010640304551117903  Query no. 94  Avg Recall : 0.9615384615384616  Precision : 0.0021874179718260564  NIAP: 0.12618193408699283  Query no. 95  Avg Recall : 1.0  Precision : 0.0019249278152069298  NIAP: 0.2169574332585954  Query no. 96  Avg Recall : 1.0  Precision : 0.0012249540642225918  NIAP: 0.1677375028601407  Query no. 97  Avg Recall : 0.9310344827586207  Precision : 0.002362411409572141  NIAP: 0.15180775028069773  Query no. 98  Avg Recall : 1.0  Precision : 0.003062385160556479  NIAP: 0.3295922915848452  Query no. 99  Avg Recall : 1.0  Precision : 8.749671887304226E-4  NIAP: 0.03589364342497865  **Average NIAP: 0.1749203568045017** |

|  |  |
| --- | --- |
| Dataset | Algoritma Terbaik |
| CISI | IDE Dec-Hi |
| ADI | IDE Dec-Hi |
| CRAN | IDE Dec-Hi |
| CACM | Roccio |
| MED | Roccio |
| NPL | IDE Dec-Hi |