**Laporan Tugas II**

**IF4042 Sistem Temu Balik Informasi**

**Semester I 2015/2016**

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**Program Studi Teknik Informatika**

**Sekolah Teknik Elektro dan Informatika**

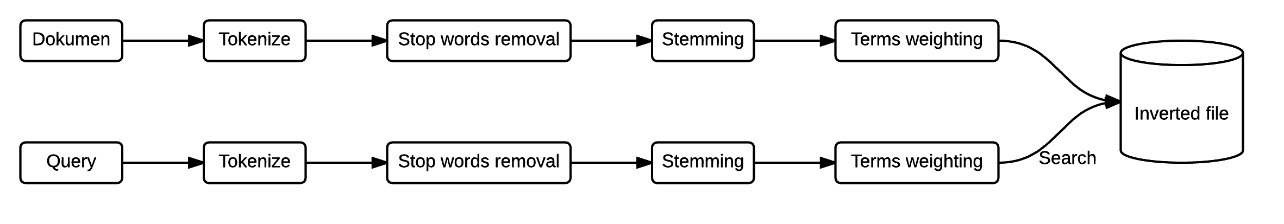
**Institut Teknologi Bandung**

**Jalan Ganesha10, Bandung, Jawa Barat 40132**

**2015**

# Arsitektur Program

Arsitektur program untuk tugas ini dapat dilihat pada Gambar1 di bawah ini.



Gambar 1 Arsitektur Program

Berdasarkan pada Gambar1 di atas, dapat dilihat bahwa ada beberapa tahap dalam pembuatan *inverted file*. Langkah pertama adalah membaca setiap dokumen yang ada. Kemudian untuk setiap dokumen yang ada, dilakukan tokenisasi (menyimpan setiap kata dari dokumen ke dalam *array*). Langkah kedua adalah menerapkan *stopwords* *removal* untuk setiap kata yang di dapat untuk menghilangkan kata-kata yang tidak penting / tidak memiliki arti dalam *information* *retrieval*. Langkah berikutnya adalah melakukan *stemming* untuk setiap kata yang sudah diseleksi dengan *stopwords* *removal*. Dengan proses *stemming* akan didapat kata-kata yang memiliki arti yang sama walaupun pada awalnya kata-kata tersebut memiliki *prefix* dan *suffix* yang berbeda-beda (dengan membuat setiap kata ke dalam bentuk dasarnya). Karena proses *stemming* akan membuat setiap kata ke dalam bentuk dasarnya, proses *stemming* juga akan memperkecil jumlah kata yang harus disimpan di dalam *vector space model*. Setelah prose *stemming* dilakukan, berikutnya dilakukan proses *term weighting*, yaitu proses untuk menghitung bobot setiap kata. Langkah terakhir yang dilakukan adalah membuat *inverted file* berdasarkan hasil proses *term weighting* yang sudah dilakukan sebelumnya. Proses yang sama juga diterapkan untuk *query*.

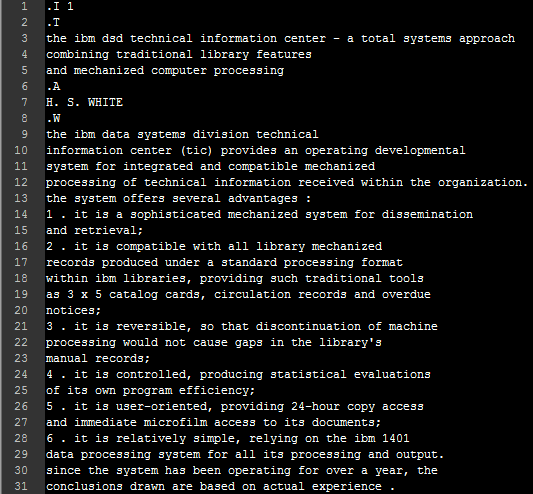
# Contoh *Input* dan *Output*

## Mode Experimental

### *Input*

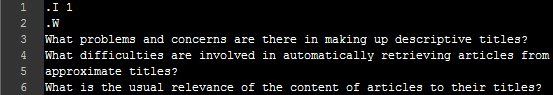
Pada mode *experimental*, sistem menerima empat buah *input*, yaitu: *document* *location*, *query* *location*, *relevance* *judgement*, dan *stopwords* *location*.

Contoh *input* untuk dokumen dapat dilihat pada Gambar 2 berikut ini.



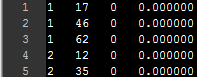
Gambar 2 Contoh *Document*

Contoh *input* untuk *query* dapat dilihat pada Gambar 3 berikut ini.



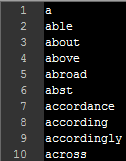
Gambar 3 Contoh *Query*

Contoh *input* untuk relevance *judgement* dapat dilihat pada Gambar 4 berikut ini.



Gambar 4 Contoh *Relevance* *Judgement*

Contoh *input* untuk stopwords dapat dilihat pada Gambar 4 berikut ini.



Gambar 5 Contoh *Stopwords*

Gambar 6 berikut menunjukkan cara untuk memasukkan *input* pada sistem



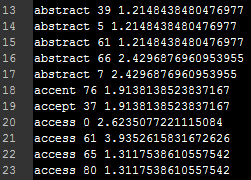
Gambar 6 Contoh Cara Memasukkan *Input* pada Sistem

### *Output*

Pada mode *experimental*, *output* yang ditampilkan meliputi: *query ID*, *recall*, *precision*, dan *non-interpolated* *average* *precision* (dipisah untuk setiap *query*).

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Output* lain yang dihasilkan pada mode *experimental* adalah sebuah *inverted file*. Akan tetapi, *inverted file* ini tidak ditampilkan kepada pengguna. Meskipun demikian, contoh *inverted file* dapat dilihat pada Gambar 7 berikut ini.

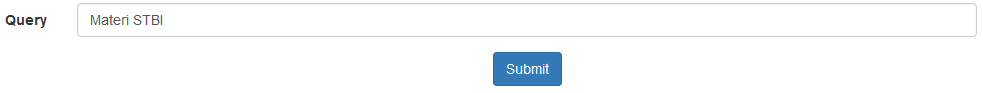


Gambar 7 Contoh *Inverted File*

## Mode Interactive

### *Input*

Pada mode *interactive*, sistem menerima hanya sebuah *input*, yaitu *query* dari pengguna (*query* dari pengguna bebas/tidak dibatasi). Contoh *inverted file* dapat dilihat pada Gambar 8 berikut ini.

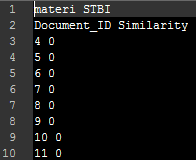


Gambar 8 Contoh *Query* *Input* pada Mode *Interactive*

Walaupun sistem hanya menerima sebuah *input*, sistem menggunakan *inverted file* yang sudah dikomputasi sebelumnya untuk melakukan *information* *retrieval*.

### *Output*

*Output* yang dihasilkan dari mode *interactive* meliputi: jumlah dokumen yang relevan, nomor dokumen, dan judul dokumen. Contoh *output* untuk mode *interactive* dapat dilihat pada Gambar 9 berikut ini.



Gambar 9 Contoh *Output* Mode *Interactive*

Gambar 9 di atas menunjukkan hasil dokumen yang relevan untuk *query*: “materi STBI”

# Hasil Eksperimen

## Dataset ADI

*Option* 1

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | *No* TF |
| IDF | *No* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 82 |
| 2 | 1 | 0.024390243902439025 | 82 |
| 3 | 1 | 0.04878048780487805 | 82 |
| 4 | 1 | 0.024390243902439025 | 82 |
| 5 | 1 | 0.036585365853658534 | 82 |
| 6 | 1 | 0.024390243902439025 | 82 |
| 7 | 1 | 0.04878048780487805 | 82 |
| 8 | 1 | 0.012195121951219513 | 82 |
| 9 | 1 | 0.024390243902439025 | 82 |
| 10 | 1 | 0.06097560975609756 | 82 |
| 11 | 1 | 0.04878048780487805 | 82 |
| 12 | 1 | 0.06097560975609756 | 82 |
| 13 | 1 | 0.07317073170731707 | 82 |
| 14 | 1 | 0.024390243902439025 | 82 |
| 15 | 1 | 0.07317073170731707 | 82 |
| 16 | 1 | 0.036585365853658534 | 82 |
| 17 | 1 | 0.024390243902439025 | 82 |
| 18 | 1 | 0.036585365853658534 | 82 |
| 19 | 0.8 | 0.11363636363636363 | 44 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 28 |
| 21 | 1 | 0.06097560975609756 | 82 |
| 22 | 0.5 | 0.6 | 10 |
| 23 | 1 | 0.030303030303030304 | 33 |
| 24 | 1 | 0.3333333333333333 | 27 |
| 25 | 0.6666666666666666 | 0.09375 | 32 |
| 26 | 0 | 0.027777777777777776 | 36 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 51 |
| 28 | 1 | 0.04878048780487805 | 82 |
| 29 | 1 | 0.038461538461538464 | 26 |
| 30 | 0.4444444444444444 | 0.45 | 20 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 31 |
| 32 | 1 | 0.034482758620689655 | 58 |
| 33 | 1 | 0.04878048780487805 | 82 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 35 |
| 35 | 0.375 | 0.4444444444444444 | 18 |

*Option* 2

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | *No* TF |
| IDF | *Using* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option* 3

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | *No* TF |
| IDF | *No* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option* 4

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | *No* TF |
| IDF | *No* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option* 5

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | *No* TF |
| IDF | *Using* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.018292682926829267 | 0.050229629018507825 |
| 2 | 1 | 0.012195121951219513 | 0.05575117370892019 |
| 3 | 1 | 0.024390243902439025 | 0.12829457364341085 |
| 4 | 1 | 0.012195121951219513 | 0.0331143951833607 |
| 5 | 1 | 0.018292682926829267 | 0.15674603174603174 |
| 6 | 1 | 0.012195121951219513 | 0.04076479076479077 |
| 7 | 1 | 0.024390243902439025 | 0.15574352548036757 |
| 8 | 1 | 0.006097560975609756 | 0.01639344262295082 |
| 9 | 1 | 0.012195121951219513 | 0.02219512195121951 |
| 10 | 1 | 0.03048780487804878 | 0.19756611204887065 |
| 11 | 1 | 0.024390243902439025 | 0.06471725687516582 |
| 12 | 1 | 0.03048780487804878 | 0.2296190476190476 |
| 13 | 1 | 0.036585365853658534 | 0.25233323983323985 |
| 14 | 1 | 0.012195121951219513 | 0.055303030303030305 |
| 15 | 1 | 0.036585365853658534 | 0.12967222225617747 |
| 16 | 1 | 0.018292682926829267 | 0.38855218855218854 |
| 17 | 1 | 0.012195121951219513 | 0.05397727272727273 |
| 18 | 1 | 0.018292682926829267 | 0.255026455026455 |
| 19 | 0.8 | 0.056818181818181816 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.05357142857142857 | 0.04230769230769231 |
| 21 | 1 | 0.03048780487804878 | 0.12393677993433196 |
| 22 | 0.5 | 0.3 | 0.18472222222222223 |
| 23 | 1 | 0.015151515151515152 | 0.06666666666666667 |
| 24 | 1 | 0.16666666666666666 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.046875 | 0.06734006734006734 |
| 26 | 0 | 0.013888888888888888 | 0 |
| 27 | 0.7878787878787878 | 0.3235294117647059 | 0.5162899904626956 |
| 28 | 1 | 0.024390243902439025 | 0.06334972394755004 |
| 29 | 1 | 0.019230769230769232 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.225 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.1774193548387097 | 0.07762237762237761 |
| 32 | 1 | 0.017241379310344827 | 0.04173290937996821 |
| 33 | 1 | 0.024390243902439025 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.08571428571428572 | 0.27703081232493 |
| 35 | 0.375 | 0.2222222222222222 | 0.09375 |

*Option* 6

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | *No* TF |
| IDF | *Using* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option* 7

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | *No* TF |
| IDF | *No* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option* 8

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | *No* TF |
| IDF | *Using* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option* 9

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Raw TF |
| IDF | *No* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option*10

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Raw TF |
| IDF | *Using* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option*11

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Raw TF |
| IDF | *No* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option* 12

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Raw TF |
| IDF | *No* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option*13

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Raw TF |
| IDF | *Using* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option*14

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Raw TF |
| IDF | *Using* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option*15

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Raw TF |
| IDF | *No* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option*16

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Raw TF |
| IDF | *Using* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option*17

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Binary TF |
| IDF | *No* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option*18

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Binary TF |
| IDF | *Using* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option*19

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Binary TF |
| IDF | *No* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option* 20

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Binary TF |
| IDF | *No* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option* 21

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Binary TF |
| IDF | *Using* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option* 22

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Binary TF |
| IDF | *Using* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option* 23

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Binary TF |
| IDF | *No* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option* 24

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Binary TF |
| IDF | *Using* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585365853658534 | 0.050229629018507825 |
| 2 | 1 | 0.024390243902439025 | 0.05575117370892019 |
| 3 | 1 | 0.04878048780487805 | 0.12829457364341085 |
| 4 | 1 | 0.024390243902439025 | 0.0331143951833607 |
| 5 | 1 | 0.036585365853658534 | 0.15674603174603174 |
| 6 | 1 | 0.024390243902439025 | 0.04076479076479077 |
| 7 | 1 | 0.04878048780487805 | 0.15574352548036757 |
| 8 | 1 | 0.012195121951219513 | 0.01639344262295082 |
| 9 | 1 | 0.024390243902439025 | 0.02219512195121951 |
| 10 | 1 | 0.06097560975609756 | 0.19756611204887065 |
| 11 | 1 | 0.04878048780487805 | 0.06471725687516582 |
| 12 | 1 | 0.06097560975609756 | 0.2296190476190476 |
| 13 | 1 | 0.07317073170731707 | 0.25233323983323985 |
| 14 | 1 | 0.024390243902439025 | 0.055303030303030305 |
| 15 | 1 | 0.07317073170731707 | 0.12967222225617747 |
| 16 | 1 | 0.036585365853658534 | 0.38855218855218854 |
| 17 | 1 | 0.024390243902439025 | 0.05397727272727273 |
| 18 | 1 | 0.036585365853658534 | 0.255026455026455 |
| 19 | 0.8 | 0.11363636363636363 | 0.4901960784313726 |
| 20 | 0.6666666666666666 | 0.10714285714285714 | 0.04230769230769231 |
| 21 | 1 | 0.06097560975609756 | 0.12393677993433196 |
| 22 | 0.5 | 0.6 | 0.18472222222222223 |
| 23 | 1 | 0.030303030303030304 | 0.06666666666666667 |
| 24 | 1 | 0.3333333333333333 | 0.36138658726894024 |
| 25 | 0.6666666666666666 | 0.09375 | 0.06734006734006734 |
| 26 | 0 | 0.027777777777777776 | 0 |
| 27 | 0.7878787878787878 | 0.6470588235294118 | 0.5162899904626956 |
| 28 | 1 | 0.04878048780487805 | 0.06334972394755004 |
| 29 | 1 | 0.038461538461538464 | 0.08333333333333333 |
| 30 | 0.4444444444444444 | 0.45 | 0.16315628815628813 |
| 31 | 0.36363636363636365 | 0.3548387096774194 | 0.07762237762237761 |
| 32 | 1 | 0.034482758620689655 | 0.04173290937996821 |
| 33 | 1 | 0.04878048780487805 | 0.056375397813753975 |
| 34 | 0.6666666666666666 | 0.17142857142857143 | 0.27703081232493 |
| 35 | 0.375 | 0.4444444444444444 | 0.09375 |

*Option* 25

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Augmented TF |
| IDF | *No* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 26

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Augmented TF |
| IDF | *Using* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 27

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Augmented TF |
| IDF | *No* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 28

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Augmented TF |
| IDF | *No* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 29

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Augmented TF |
| IDF | *Using* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 30

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Augmented TF |
| IDF | *Using* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 31

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Augmented TF |
| IDF | *No* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 32

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Augmented TF |
| IDF | *Using* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 33

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Logarithmic TF |
| IDF | *No* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 34

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Logarithmic TF |
| IDF | *Using* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 35

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Logarithmic TF |
| IDF | *No* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 36

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Logarithmic TF |
| IDF | *No* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 37

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Logarithmic TF |
| IDF | *Using* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *No* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 38

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Logarithmic TF |
| IDF | *Using* IDF |
| *Normalization* | *No* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 39

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Logarithmic TF |
| IDF | *No* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

*Option* 40

|  |  |
| --- | --- |
| **Pilihan Menu** | **Dokumen dan *Query*** |
| TF | Logarithmic TF |
| IDF | *Using* IDF |
| *Normalization* | *Using* *normalization* |
| *Stemming* | *Using* *stemming* |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Query ID*** | ***Recall*** | ***Precision*** | ***Non-Interpolated Average Precision*** |
| 1 | 1 | 0.036585 | 0.05023 |
| 2 | 1 | 0.02439 | 0.055751 |
| 3 | 1 | 0.04878 | 0.128295 |
| 4 | 1 | 0.02439 | 0.033114 |
| 5 | 1 | 0.036585 | 0.156746 |
| 6 | 1 | 0.02439 | 0.040765 |
| 7 | 1 | 0.04878 | 0.155744 |
| 8 | 1 | 0.012195 | 0.016393 |
| 9 | 1 | 0.02439 | 0.022195 |
| 10 | 1 | 0.060976 | 0.197566 |
| 11 | 1 | 0.04878 | 0.064717 |
| 12 | 1 | 0.060976 | 0.229619 |
| 13 | 1 | 0.073171 | 0.252333 |
| 14 | 1 | 0.02439 | 0.055303 |
| 15 | 1 | 0.073171 | 0.129672 |
| 16 | 1 | 0.036585 | 0.388552 |
| 17 | 1 | 0.02439 | 0.053977 |
| 18 | 1 | 0.036585 | 0.255026 |
| 19 | 0.8 | 0.113636 | 0.490196 |
| 20 | 0.666667 | 0.107143 | 0.042308 |
| 21 | 1 | 0.060976 | 0.123937 |
| 22 | 0.5 | 0.6 | 0.184722 |
| 23 | 1 | 0.030303 | 0.066667 |
| 24 | 1 | 0.333333 | 0.361387 |
| 25 | 0.666667 | 0.09375 | 0.06734 |
| 26 | 0 | 0.027778 | 0 |
| 27 | 0.787879 | 0.647059 | 0.51629 |
| 28 | 1 | 0.04878 | 0.06335 |
| 29 | 1 | 0.038462 | 0.083333 |
| 30 | 0.444444 | 0.45 | 0.163156 |
| 31 | 0.363636 | 0.354839 | 0.077622 |
| 32 | 1 | 0.034483 | 0.041733 |
| 33 | 1 | 0.04878 | 0.056375 |
| 34 | 0.666667 | 0.171429 | 0.277031 |
| 35 | 0.375 | 0.444444 | 0.09375 |

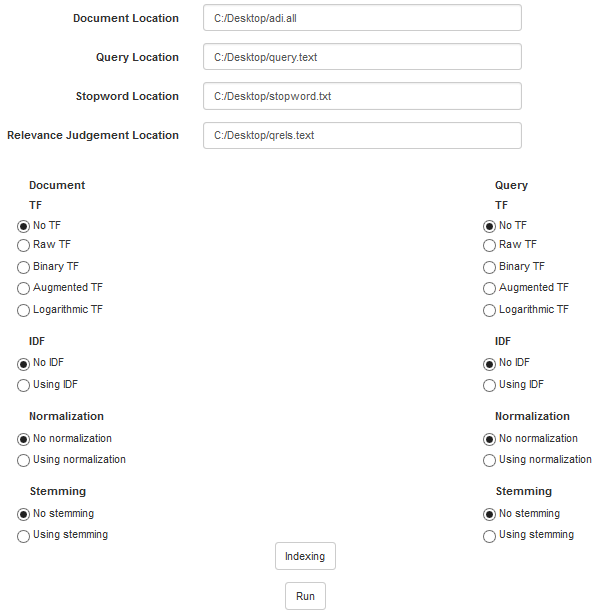
## Dataset CISI

*Information system* sudah berjalan dengan lancar, namun hasil eksperimen belum sempat dituliskan ke dalam laporan.

# Petunjuk Penggunaan

## Membuat Inverted file

Untuk membuat *inverted file*, pengguna cukup memasukkan file-file yang diinginkan dengan cara mengisi absolute path pada area yang telah disediakan. Setelah memasukkan file-file yang diinginkan, pengguna dapat memilih dari berbagai pilihan yang ada untuk menentukan TF, IDF, *normalization*, dan *stemming*. Apabila pengguna sudah selesai memilih, pengguna dapat mengklik tombol “Indexing” untuk memulai proses membuat *inverted file*. Untuk lebih jelasnya, lihat Gambar di bawah ini.



## Mode Experimental

Lihat Gambar pada halaman. Sama seperti cara untuk membuat *inverted file*, pengguna perlu memasukkan semua file dan semua pilihan terlebih dahulu. Setelah itu, pengguna menekan tombol “Run”

## Mode Interactive

Lihat Gambar pada halaman. Pengguna dapat mengisikan *query* pada area yang telah disediakan oleh sistem. Setelah mengisikan *query* pada area yang telah disediakan, pengguna dapat mengklik tombol “Submit” untuk mendapatkan hasil.