|  |  |  |  |
| --- | --- | --- | --- |
| ***Baseline (Herwando 2016)*** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 63.68% | 55.45% | 59.13% |
| Symptom | 61.43% | 59.21% | 60.18% |
| Treatment | 53.10% | 45.97% | 48.82% |
| Drug | 58.99% | 44.46% | 48.23% |
| **Overall** | **59.30%** | **51.27%** | **54.09%** |
| **Fitur 1 (Kata Itu Sendiri)** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 61.38% | 60.42% | 60.37% |
| Symptom | 57.05% | 56.13% | 56.19% |
| Treatment | 49.92% | 47.17% | 46.96% |
| Drug | 62.86% | 53.32% | 57.28% |
| **Overall** | **57.80%** | **54.26%** | **55.20%** |

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| --- | --- | --- | --- |
| ***Baseline (Herwando 2016)*** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 63.68% | 55.45% | 59.13% |
| Symptom | 61.43% | 59.21% | 60.18% |
| Treatment | 53.10% | 45.97% | 48.82% |
| Drug | 58.99% | 44.46% | 48.23% |
| **Overall** | **59.30%** | **51.27%** | **54.09%** |
| **Fitur Terbaik + Kamus Kesehatan** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 67.32% | 61.78% | 64.10% |
| Symptom | 60.55% | 55.12% | 57.41% |
| Treatment | 52.21% | 44.18% | 47.02% |
| Drug | 59.42% | 59.71% | 57.90% |
| **Overall** | **59.88%** | **55.20%** | **56.61%** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Baseline (Herwando 2016)*** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 63.68% | 55.45% | 59.13% |
| Symptom | 61.43% | 59.21% | 60.18% |
| Treatment | 53.10% | 45.97% | 48.82% |
| Drug | 58.99% | 44.46% | 48.23% |
| **Overall** | **59.30%** | **51.27%** | **54.09%** |
| **Fitur Terbaik + Stop-Words** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 65.97% | 59.81% | 62.28% |
| Symptom | 63.08% | 55.20% | 58.68% |
| Treatment | 54.73% | 46.27% | 49.69% |
| Drug | 61.88% | 58.99% | 59.57% |
| **Overall** | **61.42%** | **55.07%** | **57.56%** |

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| --- | --- | --- | --- |
| ***Baseline (Herwando 2016)*** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 63.68% | 55.45% | 59.13% |
| Symptom | 61.43% | 59.21% | 60.18% |
| Treatment | 53.10% | 45.97% | 48.82% |
| Drug | 58.99% | 44.46% | 48.23% |
| **Overall** | **59.30%** | **51.27%** | **54.09%** |
| **Fitur Terbaik + POS-Tag** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 69.10% | 58.67% | 63.22% |
| Symptom | 61.09% | 54.43% | 57.00% |
| Treatment | 59.73% | 44.10% | 49.87% |
| Drug | 62.00% | 55.74% | 57.87% |
| **Overall** | **62.98%** | **53.24%** | **56.99%** |

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| --- | --- | --- | --- |
| ***Baseline (Herwando 2016)*** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 63.68% | 55.45% | 59.13% |
| Symptom | 61.43% | 59.21% | 60.18% |
| Treatment | 53.10% | 45.97% | 48.82% |
| Drug | 58.99% | 44.46% | 48.23% |
| **Overall** | **59.30%** | **51.27%** | **54.09%** |
| **Fitur Terbaik + Frasa** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 67.49% | 61.56% | 63.81% |
| Symptom | 62.89% | 52.27% | 56.72% |
| Treatment | 54.87% | 44.92% | 49.06% |
| Drug | 59.77% | 53.37% | 55.66% |
| **Overall** | **61.26%** | **53.03%** | **56.31%** |

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| --- | --- | --- | --- |
| ***Baseline (Herwando 2016)*** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 63.68% | 55.45% | 59.13% |
| Symptom | 61.43% | 59.21% | 60.18% |
| Treatment | 53.10% | 45.97% | 48.82% |
| Drug | 58.99% | 44.46% | 48.23% |
| **Overall** | **59.30%** | **51.27%** | **54.09%** |
| **Fitur Terbaik - POS-Tag** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 68.67% | 61.80% | 64.78% |
| Symptom | 63.79% | 56.10% | 59.23% |
| Treatment | 54.47% | 46.72% | 49.58% |
| Drug | 60.08% | 56.70% | 57.00% |
| **Overall** | **61.75%** | **55.33%** | **57.65%** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Baseline (Herwando 2016)*** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 63.68% | 55.45% | 59.13% |
| Symptom | 61.43% | 59.21% | 60.18% |
| Treatment | 53.10% | 45.97% | 48.82% |
| Drug | 58.99% | 44.46% | 48.23% |
| **Overall** | **59.30%** | **51.27%** | **54.09%** |
| **Fitur Terbaik + 1 Kata Sebelum** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 69.49% | 61.60% | 64.68% |
| Symptom | 64.78% | 57.15% | 60.23% |
| Treatment | 56.58% | 44.71% | 49.54% |
| Drug | 62.22% | 57.28% | 58.76% |
| **Overall** | **69.49%** | **61.60%** | **64.68%** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Baseline (Herwando 2016)*** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 63.68% | 55.45% | 59.13% |
| Symptom | 61.43% | 59.21% | 60.18% |
| Treatment | 53.10% | 45.97% | 48.82% |
| Drug | 58.99% | 44.46% | 48.23% |
| **Overall** | **59.30%** | **51.27%** | **54.09%** |
| **Fitur Terbaik + 1 Kata Sesudah** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 70.68% | 66.18% | 68.17% |
| Symptom | 64.16% | 59.55% | 60.23% |
| Treatment | 61.02% | 51.13% | 54.03% |
| Drug | 70.85% | 70.33% | 69.82% |
| **Overall** | **66.68%** | **61.80%** | **63.06%** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Baseline (Herwando 2016)*** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 63.68% | 55.45% | 59.13% |
| Symptom | 61.43% | 59.21% | 60.18% |
| Treatment | 53.10% | 45.97% | 48.82% |
| Drug | 58.99% | 44.46% | 48.23% |
| **Overall** | **59.30%** | **51.27%** | **54.09%** |
| **LSTMs 1 Layer** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 70.68% | 66.18% | 68.17% |
| Symptom | 64.16% | 59.55% | 60.23% |
| Treatment | 61.02% | 51.13% | 54.03% |
| Drug | 70.85% | 70.33% | 69.82% |
| **Overall** | **66.68%** | **61.80%** | **63.06%** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Baseline (Herwando 2016)*** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 63.68% | 55.45% | 59.13% |
| Symptom | 61.43% | 59.21% | 60.18% |
| Treatment | 53.10% | 45.97% | 48.82% |
| Drug | 58.99% | 44.46% | 48.23% |
| **Overall** | **59.30%** | **51.27%** | **54.09%** |
| **LSTMs 2 Layer** | | | |
|  | Precission | Recall | F-Measure |
| Disease | 67.47% | 67.19% | 66.31% |
| Symptom | 64.90% | 60.63% | 62.13% |
| Treatment | 63.92% | 53.13% | 56.51% |
| Drug | 66.39% | 62.33% | 63.61% |
| **Overall** | **65.67%** | **60.82%** | **62.14%** |