

## DAFTAR ISI

<i>LEMBAR PERNYATAAN ORISINALITAS</i> .....	<i>i</i>
<i>LEMBAR PENGESAHAN</i> .....	<i>ii</i>
<i>ABSTRAK</i> .....	<i>iii</i>
<i>ABSTRACT</i> .....	<i>iv</i>
<i>KATA PENGANTAR</i> .....	<i>v</i>
<i>DAFTAR GAMBAR</i> .....	<i>xi</i>
<i>DAFTAR TABEL</i> .....	<i>xiv</i>
<i>DAFTAR ISTILAH</i> .....	<i>xv</i>
<i>BAB I Pendahuluan</i> .....	<i>1</i>
I.1 Latar Belakang.....	<i>1</i>
I.2 Perumusan Masalah .....	<i>4</i>
I.3 Tujuan Penelitian .....	<i>5</i>
I.4 Batasan Penelitian .....	<i>5</i>
I.5 Manfaat Penelitian.....	<i>6</i>
I.6 Sistematika Penulisan .....	<i>7</i>
<i>BAB II Tinjauan Pustaka</i> .....	<i>8</i>
II.1 Penelitian terdahulu .....	<i>8</i>
II.2 Analisa Sentimen.....	<i>14</i>
II.3 Kesehatan Digital ( <i>E-Health</i> dan <i>M-Health</i> ) .....	<i>16</i>
II.4 <i>Artificial Intelligence</i> .....	<i>20</i>
II.5 Machine Learning.....	<i>21</i>
II.6 Deep Learning .....	<i>23</i>

II.7	<i>Text Preprocessing</i> .....	23
II.8	Textblob .....	24
II.9	Faktor Adopsi .....	25
II.10	Faktor Individual ( <i>Individual Factors</i> ).....	25
II.11	TF-IDF .....	27
II.12	<i>Confusion Matrix</i> .....	28
II.13	Google Play Store.....	30
II.14	<i>Text Mining</i> .....	30
II.15	<i>Artificial Neural Network (ANN)</i> .....	33
II.16	<i>Feed Forward Neural Network</i> .....	33
II.17	<i>Natural Language Processing</i> .....	34
II.18	<i>Adaptive Moment Estimation (ADAM)</i> .....	34
II.19	ABSA.....	35
II.20	Alasan Pemilihan Metodologi Pemodelan .....	36
II.21	Perbandingan Aplikasi Kesehatan .....	37
<i>BAB III</i>	<i>Metodologi Penelitian</i> .....	41
III.1	Kerangka Berpikir .....	41
III.2	Sistematika Penyelesaian Masalah .....	42
III.2.1	Tahap Inisiasi.....	44
III.2.2	Tahap Pengumpulan Data .....	44
III.2.3	Tahap Pengolahan Data .....	45
III.2.4	Tahap <i>Modelling</i> .....	45
III.2.5	Tahap Evaluasi.....	45
III.2.6	Tahap Penutup .....	46
III.3	Alasan Pemilihan Metode .....	46

<i>Bab IV</i>	<i>Analisis dan Perancangan</i>	48
IV.1	Pengumpulan Data	48
IV.2	<i>Text Preprocessing</i>	48
IV.2.1	<i>Case Folding</i>	49
IV.2.2	<i>Removal Symbol and Emoji</i>	50
IV.2.3	<i>Remove Whitespace</i>	51
IV.2.4	<i>Remove Duplicate</i>	51
IV.2.5	<i>Remove Extra Space</i>	52
IV.2.6	<i>Remove Empty Data</i>	52
IV.2.7	<i>Remove Number</i>	52
IV.2.8	<i>Remove Stopword</i>	53
IV.2.9	<i>Stemming</i>	54
IV.2.10	<i>Case Fold After Translating</i>	55
IV.2.11	<i>Remove Non English Vocab</i>	56
IV.2.12	<i>Remove Empty Data</i>	57
IV.2.13	<i>Stopward Removal English Text</i>	57
IV.3	Data Labelling	59
IV.3.1	Textblob Data Labelling	61
IV.3	Data Mining	67
IV.3.1	<i>Distribution of Data Training and Data Testing</i>	67
IV.3.2	TF-IDF	68
IV.3.3	<i>Artificial Neural Network</i>	72
IV.4	<i>Data Visualization</i>	78
IV.4.1	<i>Bar Chart</i>	78
IV.4.2	<i>Line Chart</i>	79
IV.4.3	<i>Worldcloud</i>	79
<i>BAB V</i>	<i>Evaluasi Hasil Implementasi</i>	80
V.1	Evaluasi Skenario Pengujian	80

V.2 Hasil Data Labelling.....	83
V.3 Hasil <i>Confusion Matrix</i> .....	86
V.4 Hasil <i>Wordcloud</i> .....	96
V.5 Tren Aspek .....	106
<i>BAB VI Kesimpulan dan Saran.....</i>	<i>111</i>
VI.1 Kesimpulan .....	111
VI.2 Saran .....	112
<i>Daftar Pustaka .....</i>	<i>113</i>
<i>Lampiran .....</i>	<i>116</i>