

DAFTAR ISI

LEMBAR PERSETUJUAN	ii
LEMBAR PENGESAHAN	iii
PERNYATAAN KEASLIAN SKRIPSI.....	iv
PERNYATAAN PERSETUJUAN PUBLIKASI SKRIPSI.....	v
ABSTRAK	vi
ABSTRACT	vii
KATA PENGANTAR.....	viii
DAFTAR ISI.....	x
DAFTAR GAMBAR.....	xiii
DAFTAR TABEL.....	xv
DAFTAR SIMBOL.....	xvii
BAB I PENDAHULUAN.....	1
1.1 Latar Belakang Masalah.....	1
1.2 Rumusan Masalah	3
1.3 Batasan Masalah.....	3
1.4 Tujuan Penelitian.....	3
1.5 Metode Penelitian.....	4
1.6 Sistematika Penulisan.....	4
BAB II LANDASAN TEORI	6
2.1 Penggalan Data (<i>Data Mining</i>).....	6
2.2 Penggalan Teks (<i>Text Mining</i>)	7
2.3 Pengelompokan data (<i>Clustering</i>).....	7
2.4 Pra-Pemrosesan Teks (<i>Text Pre-processing</i>).....	9
2.4.1 Tokenisasi	10

2.4.2	<i>Remove Punctuation</i>	10
2.4.3	<i>Case Folding</i>	11
2.4.4	<i>Stopwords</i>	11
2.4.5	<i>Lemmatisasi</i>	11
2.5	<i>Natural Language Processing (NLP)</i>	12
2.6	<i>Word Embeddings</i>	12
2.6.1	<i>Word2Vec</i>	15
2.6.2	<i>GloVe</i>	17
2.6.3	<i>FastText</i>	18
2.7	<i>Partitioning Around Medoids (PAM)</i>	18
2.8	<i>Algoritma CLARA</i>	19
2.9	<i>Algoritma CLARANS</i>	20
2.10	<i>Silhouette Score</i>	22
2.11	<i>WordNet</i>	23
2.12	<i>Phyton</i>	23
BAB III KAJIAN UTAMA PENELITIAN		25
3.1	<i>Dataset</i>	26
3.2	<i>Pra-Pemrosesan Teks (Text Pre-processing)</i>	27
3.2.1.	<i>Tokenisasi</i>	28
3.2.2.	<i>Remove Punctuation</i>	29
3.2.3.	<i>Case Folding</i>	29
3.2.4.	<i>Stopwords Removal</i>	29
3.2.5.	<i>Lemmatisasi</i>	30
3.3	<i>Word2Vec</i>	30
3.3.1	<i>Continuous Bag of Words (CBOW)</i>	30
3.3.2	<i>Skip-gram</i>	33
3.4	<i>CLARANS</i>	35
BAB IV ANALISIS HASIL CLUSTERING CLARANS		39
4.1	<i>Data Penelitian</i>	39

4.2	Training Data.....	41
4.3	CLARANS <i>Clustering</i>	50
4.4	Analisis Hasil <i>Cluster</i>	122
BAB V PENUTUP.....		132
5.1	Kesimpulan.....	132
5.2	Saran.....	132
DAFTAR PUSTAKA.....		134
LAMPIRAN.....		137
1.	Script Python Pre-Processing + Training Word2Vec.....	138
2.	Script Python Visualisasi Hasil Training Data.....	141
3.	Script Python Clarans Clustering.....	145
RIWAYAT HIDUP.....		153

