

DAFTAR ISI

LEMBAR PENGESAHAN	i
LEMBAR ORSINILITAS	ii
ABSTRAK	iii
ABSTRACT	iv
KATA PENGANTAR.....	v
DAFTAR ISI.....	vi
DAFTAR GAMBAR.....	viii
DAFTAR TABEL	ix
BAB 1	1
1.1 LATAR BELAKANG	1
1.2 RUMUSAN MASALAH.....	2
1.3 BATASAN MASALAH	2
1.4 TUJUAN	3
1.5 MANFAAT	3
1.6 SISTEMATIKA PENULISAN	3
BAB 2	4
2.1 KAJIAN PUSTAKA.....	4
2.2 DASAR TEORI	6
2.2.1 Buah Kelapa Sawit.....	6
2.2.2 <i>Artificial Intelligence</i>	9
2.2.3 <i>Deep Learning</i>	13
2.2.4 <i>Convolutional Neural Network</i>	14
A. <i>Feature Learning</i>	16
i. <i>Convolution Layer</i>	16

ii.	<i>Pooling Layer</i>	17
iii.	<i>ReLu</i>	18
B.	<i>Classification Layer</i>	18
i.	<i>Flatten</i>	18
ii.	<i>Fully Conencted Layer</i>	19
iii.	<i>Softmax</i>	19
2.2.5	<i>Confusion Matrix</i>	20
2.2.6	<i>Epoch</i>	21
2.2.7	<i>Adam Optimizer</i>	22
2.2.8	<i>Python</i>	23
2.2.9	<i>Google Colaboratory</i>	24
BAB 3		25
3.1	ALUR PENELITIAN.....	25
3.2	PERANGKAT PENELITIAN	35
3.2.1	<i>Software</i>	35
3.2.2	<i>Hardware</i>	37
3.2.3	<i>Data Set</i>	37
BAB 4		39
4.1	HASIL DATA SET PREPARATION	39
4.2	HASIL PEMBUATAN MODEL	41
4.3	HASIL PENGUJIAN MODEL	43
BAB 5		47
5.1	KESIMPULAN	47
5.2	SARAN	47
DAFTAR PUSTAKA		48
LAMPIRAN		51