

Table legends

Table 1 Illustration of transform string data into numeric data

Table 2 List of suffix change [18]

Table 3 Comparison of Text images Recognition

Table 4 Data input illustration

Table 5 Data Composition use for training and testing the classification model

Table 6 Result of Single Data Testing for One Hidden Layer

Table 7 Result of Single Data Testing for Two Hidden Layer

Table 8 Compared Accuracy Model from 3 Method

Tables:

Table 1 Illustration of transform string data into numeric data

Data \ Database	“One”	“Two”	“Five”
“One Two One”	2	1	0
“Two Three”	0	1	0

Table 2 List of suffix change [18]

Prefix	Phoneme or terms	Changing
<i>meng-</i>	<i>/r, l, m, n, w, y, ng, ny/</i>	<i>me-</i>
	<i>/p, b, f, v/</i>	<i>mem-</i>
	<i>/t, d, c, j, z, sy/</i>	<i>meng-</i>
	Phrase < more than one words	<i>menge-</i>
<i>peng-</i>	<i>/r, l, m, n, w, y, ng, ny/</i>	<i>pe-</i>
	<i>/p, b, f, v/</i>	<i>pem-</i>
	<i>/t, d, c, j, z, sy/</i>	<i>peng-</i>
	Phrase < more than one words	<i>menge-</i>
<i>ber-</i>	<i>/r/</i>	<i>be-</i>
	<i>/ajar/</i>	<i>bel-</i>
<i>per-</i>	Affinity	<i>pe-</i>
	<i>/ajar/</i>	<i>pel-</i>
<i>ter-</i>	<i>/r/</i>	<i>te-</i>

Table 3 Comparison of Text images Recognition

Image	Explain	Result
	Image with height 17px and line weight 4px	Identified Height and line weight enough to identified
	Image with height 14px and line weight 4px	Identified Height and line weight enough to identified
	Image with height 10px and line weight 2px	Unidentified Height not enough to identified
	Image with height 11px and line weight 1px	Identified line weight not enough to identified

Table 4 Data input illustration

No	Words Database	'PAHARGYAN'	'BOJANA'	'KURBAN'	'RAKA'	...	'MANUSIA'
	Title						
1	'PAHARGYAN BOJANA KURBAN'	1	1	1	0	...	0
2	'RAKA AGUNG SEBUAH RENUNGAN'	0	0	0	1	...	0
3	'KURBAN UNTUK ALLAH'	0	0	1	0	...	0
...
354	'FILSAFAT MANUSIA'	0	0	0	0	...	1

Table 5 Data Composition use for training and testing the classification model

Data	Training Data	Validation Data	Testing Data
Philosophical	18	18	17
Religious	34	34	33
School education	67	67	66

Table 6 Result of Single Data Testing for One Hidden Layer

Number of Neuron on First Hidden Layer	Result (%)
5	50
10	50
15	66.67
20	50
25	50
30	50
35	66.67
40	50

Table 7 Result of Single Data Testing for Two Hidden Layer

Number of Neuron on First Hidden Layer	Number of Neuron on Second Hidden Layer	Result (%)
15	5	83.33
15	10	83.33

15	15	66.67
15	20	66.67
15	25	66.67
15	30	83.33
15	35	83.33
15	40	66.67

Table 8 Comparison of Model Accuracy

Method	Average Accuracy Model (%)	Average of Misclassified data
Back Propagation	63.31	129
Naïve Bayesian	61.29	137
SVM	51.44	171