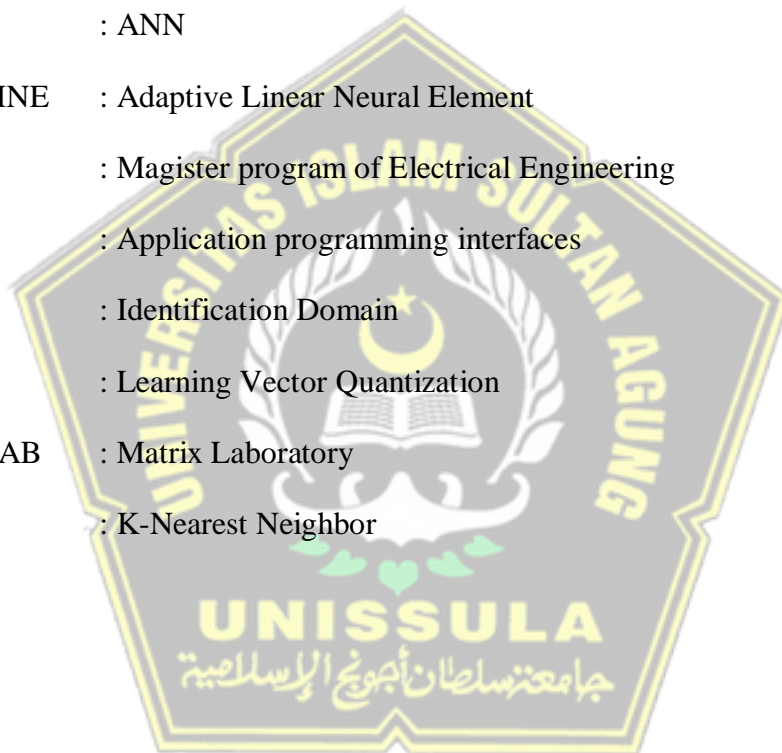


LIST ABBREVIATIONS

ANN	: Artificial Neural Network
MLP	: Multilayered Perceptron
TF-IDF	: Term Frequency–Inverse Document Frequency
MSE	: Mean Square Error
AF	: Activation Function
DL	: ANN
ADALINE	: Adaptive Linear Neural Element
MTE	: Magister program of Electrical Engineering
API	: Application programming interfaces
ID	: Identification Domain
LVQ	: Learning Vector Quantization
MATLAB	: Matrix Laboratory
KNN	: K-Nearest Neighbor



APPENDICES

Code Matlab

```
clear;clc;
namafile = 'twitter_dataset.xlsx';
P = xlsread(namafile,'9.a Input Dataset');
T = xlsread(namafile,'9.b Target Dataset');

P = transpose(P);
T = transpose(T);

net = newff(P,T,[15,10]);
[net,tr] = train(net,P,T);

ypredicted = sim(net,P);
Y = round(ypredicted,0);
yclassify = T;
plotconfusion(yclassify,Y);
```

