

## DAFTAR GAMBAR

Gambar III. 1 Diagram Konseptual .....	17
Gambar III. 2 Diagram Sitematika Penyelesaian Masalah .....	18
Gambar IV. 1 Perancangan Lingkungan Pengujian.....	22
Gambar IV. 2 Flowchart Pengolahan Data .....	23
Gambar IV. 3 Dataset ISCX 2012 setelah diekstrak.....	24
Gambar IV. 4 Hasil normalisasi Dataset ISCX 2012 .....	24
Gambar IV. 5 Script import Dataset ISCX 2012 .....	25
Gambar IV. 6 Script Mencari Cek Data yang Kosong .....	26
Gambar IV. 7 Script Encoding.....	27
Gambar IV. 8 Script Cek Nilai .....	27
Gambar IV. 9 Script Cek Nilai fitur Tag .....	27
Gambar IV. 10 Script Pemilihan Fitur .....	28
Gambar IV. 11 Script Classifier KNN.....	28
Gambar IV. 12 Script Classifier Naive Bayes .....	28
Gambar IV. 13 Script Random sampling data.....	29
Gambar IV. 14 Script Confusion Matrix KNN.....	29
Gambar IV. 15 Script Confusion Matrix Naive Bayes .....	29
Gambar IV. 16 Script kurva ROC KNN.....	30
Gambar IV. 17 Script kurva ROC Naive Bayes .....	30
Gambar V. 1 Script Accuracy, Precision, Recall, F1 Score KNN.....	31
Gambar V. 2 Hasil Confusion Matrix KNN .....	32
Gambar V. 3 Script Accuracy, Precision, Recall, F1 Score Naive Bayes .....	33
Gambar V. 4 Hasil Confusion Matrix Naive Bayes .....	34
Gambar V. 5 Kurva ROC dengan Cross Validation KNN .....	36
Gambar V. 6 Kurva ROC dengan Cross Validation Naive Bayes.....	36