

LIST OF FIGURES

1.1	Conceptual Framework of Summary of Products	3
2.1	Input-Output Text Mining	6
2.2	Example of Opinion Summarization	13
3.1	Block Diagram	14
3.2	Customer review Xperia Z	15
3.3	Preprocessing design	17
3.4	Block diagram topic model using naive bayes classifier	20
4.1	Product Information	30
4.2	Training NN-Tagging	33
4.3	Training JJ-Tagging	34
4.4	Training VB-Tagging	35
4.5	Training NN and JJ-Tagging	35
4.6	Training NN and VB-Tagging	36
4.7	Training NN and VB-Tagging	36
4.8	Training JJ, NN and VB-Tagging	37
4.9	Training NN-Tagging	38
4.10	Training JJ-Tagging	39
4.11	Training VB-Tagging	39
4.12	Training NN and JJ-Tagging	40
4.13	Training NN and VB-Tagging	40
4.14	Training NN and VB-Tagging	41
4.15	Training JJ, NN and VB-Tagging	41
4.16	Training NN-Tagging	43
4.17	Training JJ-Tagging	43
4.18	Training VB-Tagging	44
4.19	Training NN and JJ-Tagging	44
4.20	Training NN and VB-Tagging	45
4.21	Training NN and VB-Tagging	45
4.22	Training JJ, NN and VB-Tagging	46
4.23	8 Feature Extraction	52
4.24	8 Feature Extraction Testing	52
4.25	Result Feature Extraction With Noun	55
4.26	Result Feature Extraction With Adjective	56
4.27	Result Feature Extraction With Verb	56
4.28	Result Feature Extraction With Noun and Adjective	57
4.29	Result Feature Extraction With Noun and Verb	57
4.30	Result Feature Extraction With Adjective and Verb	58
4.31	Result Feature Extraction With Noun, Adjective and Verb	58