

List of Figures

0.1	Table Comparison 2nd case (4)	ii
2.1	A * (Star) Algorithm	7
2.2	Concept of Decision Tree	9
2.3	Basic Concept of Decision Tree	9
2.4	C4.5 Formula	10
2.5	C4.5 Formula	11
2.6	haversine base formula	11
2.7	haversine formula (1)	12
2.8	haversine formula (2)	12
2.9	haversine formula (3)	12
2.10	haversine formula (4)	12
2.11	Euclidean Distance Method	14
3.1	Flowchart Modelling System	15
3.2	Sample of Data Traffic Density in Google Maps	16
3.3	Status of Traffic Density	16
3.4	Data Mining with Weka	19
3.5	Example Tree from The Result of Data Mining	20
3.6	Map Nodes of Road Bandung city-1	22
3.7	Map Nodes of Road Bandung city-2	23
3.8	Flowchart GUI	28
4.1	Result in Application	33
4.2	View Map Result	34
4.3	Result from Google Maps	34
4.4	The Optimum Path Chosen by Google Maps	35
4.5	Results From Direct Testing	36
4.6	Results From Direct Testing	37
4.7	Table Comparison 1st case (1)	38
4.8	Table Comparison 1st case (2)	39
4.9	Table Comparison 1st case (3)	40
4.10	Table Comparison 1st case (4)	41
4.11	Table Comparison 1st case (5)	42
4.12	Result in Application	44

4.13	View Map Result	45
4.14	Result from Google Maps	45
4.15	The Optimum Path Chosen by Google Maps	46
4.16	Results From Direct Testing (Google Maps)	47
4.17	Results From Direct Testing (Delay Navigation)	47
4.18	Results From Direct Testing	48
4.19	Table Comparison 2nd case (1)	49
4.20	Table Comparison 2nd case (2)	50
4.21	Table Comparison 2nd case (3)	51
4.22	Table Comparison 2nd case (3)	52
4.23	Table Comparison 2nd case (4)	53