## List of Figures

Figure 1	Overview of ELV recycling in Indonesia	18
Figure 2	Overview of ELV recycling in Malaysia	24
Figure 3	Overview of ELV recycling in Myanmar	32
Figure 4	Overview of ELV recycling in the Philippines	36
Figure 5	Overview of ELV recycling in Thailand	43
Figure 6	Thailand's automobile imports	44
Figure 7	Tyre recycle in Thailand	48
Figure 8	Overview of ELV recycling in Viet Nam	49
Figure 9	Overview of ELV recycling in India	54
-	Developing automotive authorised treatment facilities	
Figure 10	Framework	64
Figure 11	ELV recycling process	65
Figure 12	Yard for ELV	113
Figure 13	Used parts taken from ELV	113
Figure 14	Used parts	113
Figure 15	Yard for ELV	113
Figure 16	Small repair shops	114
Figure 17	Small parts shops	114
Figure 18	Used parts shops	114
Figure 19	The area many repair shop and parts shops are gathering	114
Figure 20	Market in Jakarta	115
Figure 21	Used parts shop	115
Figure 22	Used handle	115
Figure 23	Repair of used part	115
Figure 24	Store of steel scrap	116
Figure 25	Store of steel scrap	116
Figure 26	Inside of container	118
Figure 27	Taking used parts from container	118
Figure 28	Transfering the body	118
Figure 29	Warehouse	118
Figure 30	Used engines	119
Figure 31	Used engine and transmission	119
Figure 32	Used parts (speaker)	119
Figure 33	Used body parts	119
Figure 34	Dismanting used parts to smaller parts	119
Figure 35	Remanufacturing gear box	119
Figure 36	Plastic scrap	120
Figure 37	Alminium scrap	120
Figure 38	Repair shop (mainly repair the engines)	121
Figure 39	Used engine parts	121
Figure 40	Collection of CFC	121
Figure 41	CFC collector	121
Figure 42	Repair shop for accident cars	122
Figure 43	Repairing an accident car	122
Figure 44	Shredder	122
Figure 45	Scrap for shredding	122

Figure 46	Automobile parts scrap	122
Figure 47	Scrap trading companies	123
Figure 48	Scrap for export	123
Figure 49	Car dismantling factory of MEC at Thilawa (1)	125
Figure 50	Car dismantling factory of MEC at Thilawa (2)	125
Figure 51	Steel plant of MEC at Yangon	125
Figure 52	Steel plant of MEC at Yangon	125
Figure 53	Informal sector taking used parts from ELV	126
Figure 54	Informal sector taking used parts from ELV	126
Figure 55	Used parts shop (Body parts)	126
Figure 56	Area where many used parts shops are gathering	126
Figure 57	Used parts shop	127
Figure 58	Imitation parts	127
Figure 59	Area where many used parts shops are gathering	127
Figure 60	Japanese used parts dealer's warehouse	127
Figure 61	Japanese used parts dealer's warehouse	127
Figure 62	Used body parts	127
Figure 63	Used stearing rack	127
Figure 64	Used rear doors	127
Figure 65	Used parts shop in Ptathumwan	129
Figure 66	Road close to used parts shop in Ptathumwan (1)	129
Figure 67	Road close to used parts shop in Ptathumwan (2)	129
Figure 68	Used parts shop in Phaholyothin Frontage Rd (1)	130
Figure 69	Used parts shop in Phaholyothin Frontage Rd (2)	130
Figure 70	Used parts shop in Bang Na (1)	130
Figure 71	Used parts shop in Bang Na (2)	130
Figure 72	Used parts shop in Bang Na (3)	130
Figure 73	Used parts shop in Bang Na (4)	130
Figure 74	Imported half cut	131
Figure 75	Imported engine	131
Figure 76	Auction of motorcycles	131
Figure 77	Auction of ELVs	131
Figure 78	Auction centre	132
Figure 79	Auction of used cars	132
Figure 80	The number of vehicles auctioned at one day.	132
Figure 81	Maintainance at taxi company	133
Figure 82	Used cars stocked in taxi company	133
Figure 83	Guilotine shar	133
Figure 84	Shredder	133
Figure 85	Dimantlers for private vehicles	135
Figure 86	Dimantlers for private vehicles	135
Figure 87	Dimantlers for passenger vehicles	135
Figure 88	Dimantlers for passenger vehicles	135
Figure 89	Dimantlers for motorcycles	136
Figure 90	Dimantlers for motorcycles	136
Figure 91	Junk yard of scrap	136
Figure 92	Gas burner	136
Figure 93	Dismantling mannually	137
Figure 94	ELV to be dismantled	137

Figure 95	Dismantling mannually	137
Figure 96	Used parts shop: parts for engine	137
Figure 97	Used parts shop: starter and alternator	137
Figure 98	Used parts shop: body parts	138
Figure 99	Used parts shop	138
Figure 100	Small electronic furnance	138
Figure 101	Small electronic furnance	138
Figure 102	Scrap yard	139
Figure 103	Small furnance	139
Figure 104	Warehouse for recycled material	139
Figure 105	Small furnance	139
Figure 106	Recycled alminium	139
Figure 107	Scrap yard	139
Figure 108	Small furnance	139
Figure 109	Warehouse for recycled material	139
Figure 110	Battery and lead recycling company	140
Figure 111	Used tire (cutted)	141
Figure 112	Sored used tires	141
Figure 113	Cutting used tire	141
Figure 114	Storage of waste oil	141
Figure 115	Storage of waste oil	141
Figure 116	Explanation of prosess of inspection	142
Figure 117	Car inspection facility	142

## List of Tables

Table 1	Target countries	4
Table 2	Disposal of ELVs	8
Table 3	Estimate of ELV Generation in Indonesia	20
Table 4	Number of imported used cars in Malaysia	25
Table 5	Number of used vehicles exported from Malaysia	25
Table 6	Number of plastic manufacturers and plastic recyclers in Malaysia	31
Table 7	Schedule of field survey in Indonesia	112
Table 8	Schedule of Field Survey in Malaysia	117
Table 9	Table 9. Schedule of Field Survey in Myanmar	124
Table 10	Schedule of Field Survey in Thailand	128
Table 11	Schedule of Field Survey in Viet Nam	134
Table 12	Status of ELV recycling in each country	143