

**Appendix I**

Average Daily Rainfall, Temperature, Duration of Sunshine of Chiang Mai City in 1995

Month	Rainfall (mm/day)	Temperature (°c/day) (H-L)*	Sunshine (hours/day)
January	0.0	22.8 (30.2-15.3)	8.7
February	0.0	23.5 (32.0-15.0)	9.4
March	0.2	28.3 (36.5-20.2)	8.5
April	1.3	30.7 (38.4-22.9)	9.2
May	4.1	29.1 (34.0-24.3)	6.4
June	4.4	29.2 (33.4-24.9)	5.8
July	7.7	27.9 (31.4-24.3)	3.3
August	10.8	27.3 (30.8-23.7)	3.4
September	4.8	27.5 (31.8-23.3)	5.8
October	2.5	27.0 (32.0-22.1)	7.2
November	1.1	24.5 (29.1-19.9)	5.2
December	0.0	21.3 (28.0-14.6)	8.2
total	3.0 (0.0-10.8)	26.6 (21.3-30.7)	6.8 (3.3-9.4)

\* H-L--Average Daily Highest -Lowest Temperature

## Appendix II

Traffic volume at major roads of Chiang Mai City in 1995  
( motor vehicle number/hour)

Code	Name	am 7-8 o'clock	am 8-9 o'clock	am 9-10 o'clock	am 10-11 o'clock
1	Suan Dok	3002	2978	2500	2563
2	Chiang Mai Gate	1982	1690	1776	1530
3	Suan Prueng Hospital	2224	2250	1990	1810
4	PTT-Gas Station CMU	687	1125	1030	996
5	Tonpayorn Market	1350	1803	1332	1401
6	Chiang Mai Phucome Hotel	1250	1255	1286	1194
7	Chang Phuak Gate	1083	1042	1042	1150
8	Kaew Nawarat RD	1566	1811	1779	1640
9	San Kan Pang HW (Poyluong Hotel)	1453	1773	1565	1650
10	Nimmanhemmin RD	475	633	477	530
11	Kuang Sing HW	2131	2281	2141	2314
12	Chiang Mai Ram Hospital	2940	2813	2561	2558
13	Manee Napparat RD	1955	1928	1938	1943
14	Airport Plaza	1648	1732	1736	1632
15	Lana Palace Hotel	1333	1413	1292	1370

Volume is the average of two times traffic counting results; Motor vehicles not include motorcycle.

**Appendix III****Number of motor vehicles registration in Chiang Mai 1984-1995**

Year	car, van, truck, bus	Motorcycle	total
1984	23,960	112,479	136,439
1985	27,023	101,468	128,491
1988	48,291	207,300	255591
1989	52,085	237,765	289,850
1990	63,823	236,486	300309
1995	119,830	328,969	448,799

**Appendix IV****Number of vehicle registration fiscal years 1970 - 1990 in Thailand**

Year	Number of motor vehicle in whole Kingdom
1970	717,123
1975	1,034,328
1980	1,737,320
1985	3,312,905
1990	7,592,085

**Appendix V****Situation of lead additive usage in gasoline in Thailand**

year	Leaded gasoline and Unleaded gasoline usage
1984	lead in regular gasoline was reduced from 0.84 to 0.45 g/L
1989	lead was reduced again from 0.45 to 0.40 g/L
1992	lead in regular and premium gasoline was reduced to be 0.15 g/L started using unleaded gasoline for premium gasoline
1994	regular gasoline was changed to be unleaded gasoline totally
1996	premium gasoline was changed to be unleaded gasoline totally

**CURRICULUM VITAE**

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