

Luriya Oundech 2009: Diversity and the Use of Local Plants in Community's Home Garden at Wang Nam Khiao District, Nakhon Ratchasima Province. Master of Science (Sustainable Land Use and Natural Resource Management), Major Field: Sustainable Land Use and Natural Resource Management, Interdisciplinary Graduate Program. Thesis Advisor: Associate Professor Lily Kaveeta, Ph.D. 109 pages.

The study on diversity and the use of local plant in home garden of Wang Nam Khiao district, Nakhon Ratchasima province was aimed to investigate the species diversity of the local plants, pattern of land use in home garden, daily life use, indigenous and economic value assessment of local plant in two studies sites, Klong Sai and Wang Si La villages. This study was emphasized on the local plant diversity in home garden by using direct survey on the species, interview on the utilization and indigenous, questionnaire for evaluation of socio-economics status from 80 household samples. The study on the pattern of land use in home garden by survey area and sketch map of local plants. And depth interview on the utilization and economic evaluate from 8 household samples.

The results showed that there were 74 families, 169 genus and 198 species of local plants that dividing into 126 edible species, 32 herbs, 46 ornaments, 10 woody plants and 24 others. The pattern of plant was blended, such as perennials, crops and vegetables. In addition, it was found that majority of the households grew the local plants mainly for households use to decrease their expenses about 1,655 bath per household per annum. It was also found that households earned the average income from local plants sold was about 3,132.59 bath per household per annum. While the cost of vegetable consumption was about 19.41 bath per household per day. Fifty one percents of the non-indigenous of local plant use was also observed. Thus, loan provider should support local plant grow for their household use to decrease their expenses and train about the use of local plant such as herbs is specific.

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Thesis Advisor's signature

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