

Thesis Title	A Feasibility Study on Location of Automobile Industry In Saraburi Province
Name	Anutra Kritsanasaeranee
Concentration	Industrial Geography
Department	Geography
Academic Year	1999

ABSTRACT

The purpose of this research is to analyze the optimum location for automobile industry in Saraburi province. Three steps, were investigate :

First, to investigate location factor influencing the site selection. The results found that the relationship between number of industry and labor (age over 13 years) was the highest value with the correlation coefficient of 0.84921. For the principle component analysis by varimax rotation method, the member in Factor1 were labor (age over 13 years), skill labor, highway and number of bank. In addition, those 4 factors were analyze by multiple regression method. The study found that labor (age over 13 years) was the factor influencing the site selection with correlation coefficient of 0.84921. That could explain to the change in number of manufacturing at 71.05 %

Second, to compare the potential of location factor among Saraburi province and other upper central province. The results indicated that seven location factors were material (labor in auto – part industry), GPP, per capita income, percentage of industrial zone, number of bank, electric power and highway.

Third, to search any optimum location by using Geographic Information System (GIS). The optimum location were area in Muang District, Amphoe Kaeng Khoi and Amphoe Nong Khae.