

Nutsurang Pukkalanun 2013: Sustainable Sensitive Tourism Area Management Model for Quality of Life Development: Lipe Island, Kho Sarai Sub-district, Mueang District, Satun Province. Doctor of Philosophy (Environmental Science), Major Field: Environmental Science, Department of Environmental Science. Thesis Advisor: Associate Professor Wasin Inkapatanakul, Ph.D. 162 pages.

This research aims to develop the model of Sustainable Sensitive Tourism Area Management for Quality of Life. The model analysis has been divided into 4 parts; the Environmental Vulnerability Index (EVI), the Recreation Carrying Capacity (RCC), the Quality of Life (QOL) and the Sustainable Sensitive Tourism Area Management Model.

The results show that the value of the EVI is about 5.7, which could illustrate that Koh Lipe is the highest vulnerable area. The RCC is analyzed in four items; physical, ecological, facilities and psychological aspects. According to the Limited of Acceptance Change: LAC, all of items are over recreation carrying capacity while physical aspect is determined as the lowest of the limited of acceptance change. The island would be able to accommodate around 100,000 visitors per year. To identify local quality of life in Koh Lipe, it shows that most of the factors represent quality of life; tourism, the economy, the environment, and culture and society. The greatest direct concern is environmental problems. By using Stella program, the research reveals that the immunity of the island could be increasing by managing solid waste and improving water quality to provide environmental friendly management of the island. Moreover, increasing law enforcement and the amount of protected on the island would also be very important for the island to achieve sustainable development. Furthermore, the participation method should be considered to incorporate more local people into the business sector in a way that is consistent with the lifestyle of the people. For instance, local boat rentals could improve the tourist sector, local performances and local souvenirs will generate local incomes and support their cultures.

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