

Title : Lithology and Geomorphology for Geotourism Potential Evaluation of Doi Pha Khok Hin Fu Volcano, Mae Moh District, Lampang Province

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ABSTRACT

Doi Pha Khok Hin Fu volcano is located in Mae Tha district, Lampang Province that is one of a unique geological volcanic landform in Lampng Geopark, Thailand. The geotourism potential study of Doi Pha Khok Hin Fu volcano cover geology, geomorphology and geotourism attraction potential that are useful for the management and development plan. The geomorphological studies using through programs Quantum GIS (QGIS), ArcMAP and Google Earth Pro to provide geological data. The field investigation was done for geological survey and geosite potential evaluation. The geomophology study indicates that Doi Pha Khok Hin Fu volcano has an elevation of 460 m above mean sea level and radial stream pattern. The volcano has a caldera that show subsidence of older crater and later craters . The old crater has broken off, leaving only 1/4 of its original size that is estimated to have a circumference of 1.28 kilometers. The new crater has a circumference of 1.1 kilometers, a width of 354 meters, and a length of 360 meters, and shows a break in the northern direction. The results of geotourism attration evaluation show that the Doi Pha Khok Hin Fu volcano is moderate value both academic value and development and management potential value. In addition, SWOT anaysis indicated that the Doi Pha Khok Hin Fu Volcano has the potential to be developed as a volcanic geological tourist attraction because it has an appropriate size and exhibits rare geomorphological features in Thailand, convenient access, and expert local guide. However, some developments are still needed, facilities such as shop, toilets and buses to increase convenience for tourists.

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