

## Density and types of rocks found fossils in soil wells, La-ngu District, Satun Geopark area

Abstract. This research was to analyze the density and rock types of fossils found in soil wells of La-ngu district at Satun Geopark. To compare the density and rock types found in other fossils of Thailand. Rock samples were collected in class five layers, each layer separated about 1-1.5 meters, the characteristics of each rock floors posing clear distinction has collected rocks as three points with a total of 45 rock samples. The results of density and rock type were found to be all sedimentary rocks. Divided into three types 1. calcareous siltstone 2. Shale and 3. limestone. The average density is  $2,594.25 \pm 617.68 \text{ kg/m}^3$ ,  $2,802.70 \pm 916.14 \text{ kg/m}^3$ ,  $2,849.91 \pm 361.19 \text{ kg/m}^3$  respectively. The fossils found on the shale are graptolite and nautiloid. When compared with the Geological Map of Satun Province of the Department of Mineral Resources in 2007, the location of the rock sampling corresponds to the location of the PA SA MED Fm. formations in the Devonian to Silurian period, where siltstone, chert, siliceous mudstone, shale, sandstone and pebbly mudstone were found. (Department of Mineral Resources, 2013).

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**Track Classification:** Environmental Physics, Atmospheric Physics, Geophysics and Renewable Energy