

Research Title : A Study of Specific Energy Consumption in Sripatum University's Lecture Building

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ABSTRACT

This research presents the study of specific energy consumption (SEC) in lecture building. The SEC presents the quantity of energy in per unit of building utilization. Therefore, it correspond to energy cost of building. This research aimed at analysis of energy utilization in lecture building of Sripatum University is case study. The study focuses on three building including Dr. Suk Pukayaporn Building (BLD. 1), 30th Anniversary Sripatum Building (BLD. 9), and Siamborom Rajagumari Building (BLD. 5). The study provide two analytical SEC that are; 1. SEC per number of users and 2. SEC per actual air conditioning area. The analysis shows that the average SEC of BLD. 5 is higher than that of BLD. 1 and BLD. 9, leading to higher energy expense than other buildings. The obtained SEC is useful for energy management energy efficiency improvement lecture buildings in future..

Keywords : Specific Energy Consumption(SEC), Energy Conservation , Surveys, Cost of Energy, Lecture Building