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# Digital Documentation of Chantira Chanwang's Thai-Muslim traditional house in Satun, Thailand through Measured Drawing Camp

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## *Abstract*

This research is a series of comprehensive measured drawings and digital documentation of the traditional Thai-Muslim house of Chantira Chanwang in Satun, Southern Thailand. The research aims to establish digital documentation by collecting information and data from the architectural heritage context through the measured drawing course for the Diploma in Architecture at Polytechnic Malaysia. The research objectives are to investigate the architectural heritage of Thai-Muslim traditional houses in Satun, Southern Thailand in terms of building design, details, and structural aspects; to apply the technique of measured drawing of heritage buildings using appropriate measuring tools; and to explore the richness of the socio-economic, cultural and historical community of Thai-Muslims in Southern Thailand. This research utilizes qualitative (case study) and quantitative (building measurement) methods and is divided into 3 phases, including preliminary fieldwork, fieldwork (measured drawing camp), and post-fieldwork (studio work). Data was collected through document reviews, interviews, observations, and building measurements and documented in digital and printed form, including working drawings, presentation drawings, reports, models, documentary videos, and coffee table books. The result shows significant architectural details and spatial configurations of traditional Malay houses in Malaysia. The findings of this study contribute to the United Nations Educational, Scientific and Cultural Organization (UNESCO) Charter for the preservation of digital heritage passed down from generation to generation, concerning the historical value, building materials, construction, and passive design techniques of heritage buildings, as well as to Sustainable Development Goal (SDG) 11.4, which is to 'strengthen efforts to protect the world's cultural and natural heritage'.

**Keywords:** *Digital documentation; Measured drawing*

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