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## PROCEEDINGS

Prince of Songkla University Pattani Campus

**Theme:** Breaking the Cycle of Urban Poverty:  
Challenge and Strategy



# **Social Capital and Implementation Effects: Participatory Action Research for Poverty Alleviation Through the Earthworm Fertilizer Pilot Project, Mayo District, Pattani Province**

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## **Abstract**

Undertaking poverty remains a significant challenge in today's society. It is listed as the first mission in the list of 17 goals in Sustainable Development Goals (SDGs), which are to be incorporated by all developed and developing countries. Thailand's poverty rate is rising in recent years. Many provinces in Thailand face poverty and inequality, including Pattani, Thailand's top poverty-stricken province. The main objective of this article was to study the social capital available in the community and the impact of the implementation under participatory action research (PAR) for poverty alleviation under the Earthworm Fertilizer Pilot Project in Kor Lae village, Mayo District, Pattani Province, Thailand. Results showed that important social capital leading to the successful implementation process, including; human resources in the community, trust, efficient group representative, and cooperation network. The major outcome that impacts the group level is that community members are self-sustainable in producing organic fertilizers for agricultural use, reducing household expenses, and income-earning from the sale of vermicomposting and other derivable products. Finally, the main outcome which impacts at the social level includes incorporating ready-to-produce equipment with the fertilizer production house, information and knowledge board, learning center on worm manure production that can be a model for other communities.

Keywords: operational impact, participatory action research, poverty alleviation, social capital