

A Roadmap Towards the Potential Usage of ICT in Buayan: Preliminary Study

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ABSTRACT

Kg. Buayan in the district of Penampang, Sabah, on the outskirts of the Crocker Range Park. Kg. Buayan is a decentralized village divided into several zones: Marantai, Moninimbar, and Kionop Baru. It is one of the remote areas in Malaysia with high level of physical inaccessibility as well as information and knowledge inaccessibility. Therefore, the introductory of telecenter to the community has aimed to bridging the digital gaps within the community. Although the telecenter has raised the awareness and usage of ICT in the community, several research questions occur like how far the ICT able to improve the socio economic of the community? What are the ICT applications that beneficial to our community? This requires a careful study of the needs among the community by ethnographer. While various studies have been conducted for ICT4D, we view that the results are too diverse from one study to the others. The diversity makes it hard to use those approaches in similar kind of study. In addition, how to use those studies for software development is challenging. To fill this gaps, agent oriented models have been introduced in this paper. We present various models in indentified the potential usage of ICT4D. The models able to reflect various aspects of ICT4D in Buayan.