THE USE OF FUZZY ANALYTICAL NETWORK PROCESS IN QUALITY OF LIFE EVALUATION

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DECLARATION BY CANDIDATE

We certify that this report and the research to which it refers is the product of our own work and that any idea or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

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ABSTRACT

Quality of life is the term that describes how people explained their life conditions. It can be assessing by different methods and one of them can be done through reliable data obtained from a guided interview session. Fuzzy Analytic Network Process (ANP) has been widely applied in various field. However, there have been very little discussions about the application of hierarchical network based on decision analysis to evaluate QOL. This study focus on an evaluation of QOL in Kuala Terengganu, Malaysia. An expert in population studies was interviewed to provide linguistic evaluation with respect to three factors and ten sub-factors of QOL. Six step of fuzzy ANP method was implemented to obtain the total value in the evaluation of QOL. The results showed the indicators of social contributed to the first ranking, followed by economic and physical. As a conclusion, knowing the indicators that contributes to the QOL can help people in the population as well as the authorised parties to improve their life conditions.

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