

Abstract

The assessment of selection system for acievemented village base on annual data rise from each criteria. Because of many criteria and alternative value from annual data percentage, then need long time and error. Henceforth, Dinas Pemberdayaan Masyarakat dan Keluarga Berencana (PMKB) Kabupaten Tanah Datar needs a system that can support to giving advisement in selection process of achievemented village.

This final project it had been made application of selection process for achievemented village based on SPPK to helping selection team evaluating and selecting villages. This system use two method, first Multiplicative Analytic Hierarchy Process (MAHP), and second Simple Additive Weighting (SAW) that use serialy. MAHP use for global weighted, meanwhile SAW for local weighted.

From functional test result, all functions work fairly with system needs. Base on system calculation result, application output and final calculation manual result are same. Base on result of system testing into old system, produce different ranking. And, base on user satisfaction index analysis into application, produce user satisfaction index average 83,00% which mean Dinas PMKB Kabupaten Tanah Datar satisfacted with the application.

Keywords: *criteria, achievemented village, SPPK, MAHP, SAW*