

INTISARI

Sistem Pendukung Keputusan (SPK) merupakan sistem yang mampu memberikan penilaian terhadap alternatif guna untuk membantu para manajer dalam mengambil keputusan. Banyak metode yang dapat digunakan dalam membangun sistem pendukung keputusan. Penelitian ini akan membandingkan dua metode dalam SPK yaitu, metode *Analytical Hierarchy Process* (AHP) dan metode *Simple Additive Weighting* (SAW), studi kasus Penentuan Penerima Bantuan Modal Wirausaha Baru Pada Dinas Koperasi Perindustrian dan Perdagangan Provinsi Gorontalo, hasil dari penelitian yaitu, mengetahui tingkat keakurasian dari kedua metode. Kriteria yang menjadi dasar penilaian pengambilan keputusan antara lain status tempat tinggal, parameter kemiskinan, produktivitas usaha, pendapatan perbulan, jumlah tanggungan keluarga, fasilitas pendukung usaha. Hasil akhir ditemukan bahwa metode AHP dan metode SAW relatif sama, sehingga diperoleh metode yang lebih akurat adalah metode AHP.

Kata Kunci : Sistem Pendukung Keputusan, Analytical Hierarchy Process (AHP), Simple Additive Weighting (SAW), Kriteria, Prioritas

Abstract

Decision support system is a system that gives an alternative assessment to help manager in making decision. There are a lot of methods which can be used to develop decision support system. This study is comparing two methods in decision support system, Analytical Hierarchy Process (AHP) method and Simple Additive Weighting (SAW) method. A case study of the recipient determination of capital aid of new entrepreneurial at the Department of Cooperation, Industrial and Commerce of Gorontalo Province. The objective of the study is to know the accuracy of both methods. Basic assessment criteria on taking decision are living status, poverty parameter, work productivity, month income, family's charge, work supporting facility. The result of study reveals that AHP method and SAW method was relatively same, but AHP METHOD is more accurate than SAW method.

Keywords: decision support system, Analytical Hierarchy Process (AHP), Simple Additive Weighting (SAW), criteria, priority.