Multi Attribute Decision Making Method for Determination of Regional Development Plan Priority in Papua Province based on the Indicator of Gross Regional Domestic Product (GRDP)

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Abstract

Development as ongoing activity needs certain planning in order to be zero in on and has clear direction. Therefore, it is needed a model for the analysis medium in determining regional priority to development implementation in the future. This research applied multi attribute decision making (MADM) concept for analyzing data of GRDP of Papua Province. Two methods of MADM have been used in this research, those are weighted product (WP) and Technique of Order Preference by Similarity to Ideal Solution (TOPSIS). Twenty nine regencies were analyzed based on the data of GRDP to observe which region will be the development priority later. Result of the research by comparing the two methods are obtained six regencies which need special attention, those are Central Mamberamo Regency, Yalimo, Nduga, Intan Jaya, Mamberamo Raya and Deiyai. The research is expected can be the supporting material of decision in development planning field for the policy implementer, so that able to determine regional priority for development activities in the future.

References

- Alfita, Riza, 2011, Perancangan Sistem Pendukung Keputusan Penentuan Prioritas
Produk Unggulan Daerah Menggunakan Metode Weighted Product (WP), Prosiding Seminars Competitive Advantage, Vol 1, No 1 (2011)

- Lestari, Sri, 2013, Penerapan Metode Weighted Product Model Untuk Seleksi Calon Karyawan, Jurnal Sistem Informasi (JSI), VOL. 5, NO. 1, April 2013, Halaman 540-545
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