


# A Child Growth and Development Evaluation using Weighted Product Method

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## Abstract

Child development is one of the factors that must be considered in improving a country's education. Because the level of maturity of human resources can be maximized starting from childhood. According to a 2018 guide from the Ministry of Education and Culture of the Republic of Indonesia (Kemdikbud RI), there are six indicators to assess children's learning ability, namely: 1) Moral, 2) Social, 3) Language, 4) Cognitive, 5) Motor, and 6) Art. In this study, these indicators are used as an evaluation of children's growth and development. The evaluation uses the Weighted Product Method (WPM). WPM is used because the method can provide a ranking of the final value of the evaluation. In addition, WPM also has an assessment of benefits and costs as a more relevant assessment between indicators. Data collection was carried out with a questionnaire at kindergarten schools with an average age between 5-6 years. The results of the questionnaire will be calculated with indicators that have been given criteria weights. The test results of this research are to produce recommendations for students who enter the top five below with results between 0.65 to 0.62 with the order on behalf of mahmud, diko, cindy, denny, riko. With the results of these recommendations, the kindergarten manager can follow up so that the student's ability increases.

**Keywords:** child development, Decision Support System, DSS, Weighted Product.