

## ABSTRACT

*Growth quantitatively gauge used to monitor growth of infants. Growth is quantitative so that it can be measured by weight unit (grams, kilograms), the length unit (cm, m), bone age, and metabolic balance (calcium and nitrogen retention in the body). Weight, length and baby's head circumference gauges is a tool that used to measure weight, body length and head circumference in infants. Observing the growth of parameters above is very important to assess the growth delay or speed of infants and in case of deviations growth symptoms in infants can be given action so that the baby's condition does not deteriorated.*

*Infant's Weight Gauges used 1 piece loadcell sensor that is used to measure the infant's weight. The measurement results obtained from an average of 5 times data retrieval for 2 seconds will be displayed on the 4x16 character LCD kilograms (Kg). The design of this research used an experimental method with research type of One Group Post Test Design.*

*Based on the measurement results obtained by the average value of the load error appear on the actual load of 1,47%. It concluded that these tools can be used according to its function, because % is below standard error  $\pm 5\%$ .*

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*Keywords: baby weight, scales, loadcell*