

**ABSTRACT**

*Child health effort is done as early as possible since prenatal, baby, toddler, pre-schooler, and grade-schooler. It is done to increase child's quality of life in achieving optimum growth and development. Based on Nutrient Status Monitoring in 2014, prevalence of pre-schooler with lack of nutrient in East Java was 10,3% and poor nutrient pre-schooler was 2,3% (Health Department of East Java, 2015). Problem of this study is underweight pre-schooler case in Sidotopo up to October 2016 was 301 from 1809 reported pre-schoolers. The purpose of this study is to know risk factors which relate to underweight pre-schooler in Sidotopo Surabaya.*

*This study was analytical observational study with cross sectional design. Proportional random sampling was used to take 95 pre-schoolers who lived in Sidotopo and came to posyandu as samples.*

*From 95 pre-schoolers, there were 24 underweight pre-schoolers and 62,5% of them was female (p value=0,628), 50% (p value=0,054) was more than 36 months old, 66,7% (p value= 0,680) was the last child, 62,5% (p value= 0,840) had history of not exclusive breastfeeding, 79,2% (p value= 0,755) of the mother did not have occupation, and 79,2% (p value= 0,172) visited posyandu actively. Significance value showed that there was no correlation between those risk factors with underweight. Other risk factors which became independent variables were 58,9% of underweight pre-schooler had history of low birth weight newborn (p value= 0,000), 50% (p value= 0,018) of mother was graduated from elementary school, and 50% (p value =0,32) had low income. Significance value showed that there was correlation between those risk factors with underweight. Logistic regression test showed that history of low birth weight newborn had 21,712 Odds Ratio (OR) and parents' income had 29,952 OR.*

*There is correlation between history of low birth weight newborn, mother's education, and parents' income with underweight pre-schooler in Sidotopo Surabaya.*

**Keyword: Risk Factors, Growth Monitoring, Underweight (below the red line on weight chart), Pre-schooler.**