

# THE DIFFERENCE OF DEVELOPMENT IN CHILDREN AGED 6 MONTHS RECEIVED EXCLUSIVE BREASTFEEDING VERSUS FORMULA MILK IN CIPTOMULYO HEALTH CENTER, MALANG, EAST JAVA

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## ABSTRACT

**Background:** Development during infancy occurs rapidly. Parent ability to meet their nutritional needs is needed to obtain optimal infants development. This study was to investigate the difference of development in children aged 6 months received exclusive breastfeeding versus formula milk

**Subjects and Method:** A cross-sectional study was conducted at Ciptomulyo health center, Malang, East Java, from April to May 2017. A sample of 17 infants who received exclusive breastfeeding and 19 infants who received formula milk was selected by total sampling. The dependent variable was child development. The independent variables were exclusive breastfeeding and formula milk. Child development was measured by Denver Development Screening Test. Mean difference of child development between groups was measured by Mann Whitney.

**Results:** Development score in children aged 6 months who received exclusive breastfeeding (Mean= 0.53; SD= 0.24) was higher than children who received formula milk (Mean= 0.47; SD= 0.01), and it was statistically significant ( $p= 0.003$ ).

**Conclusion:** Development score in children aged 6 months who received exclusive breastfeeding is higher than children who received formula milk.

**Keywords:** child development, exclusive breastfeeding, formula milk

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