

ABSTRACT

Incidence of allergy in children increases along with the effect of allergen exposures and environment. Allergy mostly appears on children at age under five year old due to lack of immunity. Allergy is an important problem because of its effect on development. There are factors which can affect the incidence of allergy, one of them is exclusive breastfeeding. The purpose of this study was to analyze the correlation between allergic manifestation with exclusive breastfeeding history on under five children.

This was analytic observational and cross sectional study. The location was RSUD Dr. Sosodoro Djatikoesoemo Bojonegoro. The samples were children at age 2-60 months. This study used consecutive sampling method and the tool was an interview questionnaire. Chi-square was used to analyze the variables.

There were 102 children in the study and 34 (33%) among them were allergic. Children aged >6 months with exclusive breastfeeding history were only 45.1% (41 children). There was a significant correlation between exclusive breastfeeding and allergic manifestation (coefficient contingency=0.487). The Prevalent Ratio (PR) was 0.084(CI 95% 0.021-0.0332). There was also significant correlation between family history and allergic manifestation with $p=0.005$ and $PR= 2,407$ (CI 95% 1,430-4,052).

The conclusion of the study was there was significant correlation between allergic manifestation and exclusive breastfeeding history on under five children, with exclusive breastfeeding as a protective factor of allergic manifestation, and also there was correlation between family history of allergy with allergic manifestation.

Keyword: *exclusive breastfeeding, allergic manifestation, under five children*