Allergic diseases are more common in children aged less than 5 years old due to immune system. This research aims to find out the association between allergic manifestation and the history of antibiotic use of the toddler.

This research used analytic observational method along with cross sectional design. The sampling technique was total sampling method. The data were taken by direct interviews with the toddlers’ parents by using questionnaire method in Bendan Community Health Center, Pekalongan City. The dependent variable of this research was allergic manifestation, while independent variable was the history of the antibiotic use and the confounding variables were genetic, animal exposure, exclusive breastfeeding, age exposed to antigen and smoke exposure. The data were analysed by using chi square with 95% of confidence intervals.

From the 100 samples, 35% of them had allergic manifestations and 82% had the history of antibiotic use. The results of the statistical test by using fisher’s exact test, showed that there was an association between the allergic manifestation and the history of antibiotic use for the mother during childbirth in toddlers aged >24-36 months (p=0.036) and the history of antibiotic use for mothers during breastfeeding in toddlers aged >36-48 months (p=0.022).

This research concluded that there was a significant association between the allergic manifestation and the history of antibiotic use for mothers during childbirth in toddlers aged >24-36 months and the allergic manifestation and the history of antibiotic use for mothers during breastfeeding in toddlers aged >36-48 months.

Keywords: allergic manifestation, antibiotic, Toddler