ABSTRACT

Background: Allergic rhinitis is a symptomatic disorder of the nose induced after allergen exposure by an immunoglobulin E (IgE)-mediated inflammation of the membranes lining the nose . Allergic rhinitis is a chronic upper respiratory disease that will cause long term medication side effects and will cause economic expenses. In addition, it's quite difficult to distinguish the symptomps of allergic rhinitis from other rhinitis. So, we have to know the characteristic of allergic rhinitis patient to make a right diagnosis and treatment.

Purpose: The result of this research is to know the characteristic of rhinitis allergic patients in Dr.Soetomo General Hospital based on gender, age, complaints, history of breast milk, and the cause of allergic.

Methods: This retrospective descriptive study has conducted by using data from medical records on patient that fulfilled criteria in Dr. Soetomo general hospital Surabaya 2015. Research variables used are gender, age, complaints, history of breast milk, and the cause of allergic. Data analysis by counting the number of cases and the distribution of variables. At least 120 patients fulfilled these criteria from 214 total data.

Results: The study has found that from 120 patients, the most patients were male (57,5%). The youngest age of allergic rhinitis patients is 1 year old and the oldest is 17 years old. The group is dominated by the 6-11 age group (51,7%) with average age 6 years old. The distribution of allergic rhinitis based on the main complaint is cough (43%). Allergic rhinitis patients with a history of non-exclusive breastfeeding dominates with 59% and suffer with types of house dust mites, pet, and food allergy (47%).

Conclusion: Allergic rhinitis sufferers tend to be dominated by male patients at the range of age 6-11 years old with a noneksklusif breastfeeding history and caused by house dust mites, pet, and food allergy simultaneously.

Keywords: ***allergic rhinitis, pediatric rhinitis allergy, cause of allergy, house dust mite allergy, pet allergy, food allergy***