ABSTRACT

Incidence of Acute Respiratory Incidence (ARI) can be influenced by environmental factor such as physical sanitation and health behavior of community that affect enviromental physical sanitation quality in Aspol Detasemen Gegana Satbrimob Polda Jatim Community.

This is a cross sectional analytic design research, with 79 sample and simple random sampling technique. Data statistically test with chi square with level significance 0,05.

Research resulted incidence of ARI is 40,5 % (32 people from 79 sample) among this community. Statistically shown : physical sanitation variable releated to ARI are p = 0,001 for room humidity, p = 0,003 for lightening and p = 0,000 for health behavior.

There are relationship between humidity, lightening and health behavior with ARI incidence in Aspol Detasemen Gegana Satbrimob Polda Jatim Community. Gauzed window instead of closed window, good health behavior, optimizing health education (promotive and preventive) for example with Sanitation Award among police dormitory are some kind of medical advice can be applied in the community.

Keywords : Acute Respiration Infection, Physical Sanitation, Health Behavior.