

## ABSTRACT

**Hasni Yunus. 2013.** The Relationship between Survey Activity of Wigler of pre and post Abatization toward the Rate of Free Wigler in Bolihuangga Subdistrict, Gorontalo District, 2013. Skripsi. Study Program of Public Health, Faculty of Sports and Health Sciences. Universitas Negeri Gorontalo. The principal supervisor was Dian Saraswati, S.Pd, M.Kes and the co-supervisor was Lia Amalia, S.KM, M.Kes.

*Dengue* fever is one of public health problem in Indonesia which tend to increase and spreadly wide. In preventing the disseminating of *dengue* fever, it is needed massal fogging, massal abatisasi, wigler checkup, also Pemberantasan Sarang Nyamuk (PSN) program continually. This research aimed to find out the relationship between survey activity of wigler of pre and post abatisasi toward the rate of free wigler in Bolihuangga subdistrict, Gorontalo district, 2013.

Design of research applied survey research with cross sectional study approach. Population of the research were all the house in Bolihuangga district which amounted to 924 houses and sample 279 houses taken by simple random sampling techniques. Technique of collecting the data was survey, then it was analysed by univariate and bivariate analysis used statistical test of paired t-test.

The result showed that there is no relationship between survey activity of wigler whether pre and post abatisasi with the rate of free wigler. The rate pre and post of abatisasi resulted the p value as  $0,065 > 0,05$  ( $H_0$  is accepted).

It is expected to the further reserch to just change the survey method of wigler visually to single method of wigler fo get more accurate result and complete about *aedes aegypti* mosquito.

**Keywords: Wigler Survey, Abatisasi and Rate of Free Wigler.**