

## **ABSTRACT**

### **CORRELATION BETWEEN KNOWLEDGE OF HELMINTHIASIS AND GRADES WITH SOIL TRANSMITTED HELMINTH (STH) INFECTION IN GRADE 4, 5, AND 6 OF ELEMENTARY SCHOOL 1 PINANG JAYA BANDAR LAMPUNG**

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The prevalence of STH infection in the world is still relatively high. In Indonesia, prevalence of STH infection which is around 32.6% in 2006. Knowledge and grades does influence the behavior. Lack of knowledge about self-hygiene, environment, and helminthiasis makes them easier to be infected by STH. Objective of this research was to get correlation between knowledge of helminthiasis and grades with STH infection in grade 4, 5, and 6 Elementary School 1 Pinang Jaya Bandar Lampung.

This study was a cross-sectional with proportional random sampling on 79 students in Oktober 2012. STH infection identified from stool examination using the concentration method, that are categorized of infected and uninfected. Identification of the student's knowledge gained from interviews using a questionnaire with 14 questions, which are categorized in the knowledge of good and less. Statistical test using Chi-Square test with  $\alpha < 0.05$ .

The research outcome showed that there was correlation between knowledge of helminthiasis and STH infection, p value = 0.001. There was no correlation between grades and STH infection, p value = 1.000.

Key Word : Knowledge, Grades, Soil Transmitted Helminth (STH) infection.