

## ABSTRACT

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*The Correlation between Education and Knowledge towards Mother's Behavior in Preventing Severe Acute Respiratory Infection on Children Under Five in Work Area of Talang Betutu Health Center Palembang.*

UNDERGRADUATE THESIS  
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**Background:** *Severe Acute Respiratory Infection (SARI) becomes the most common disease in children under five years old. The prevalence of SARI in those children is 46.34% in Indonesia and 91.02% in Palembang City.*

**Aims:** *this research aims at determining the correlation between education and knowledge towards the mother's behavior in preventing SARI on children under five in the work area of Talang Betutu Health Center Palembang.*

**Method:** *This is quantitative research design with analytic survey and cross sectional approach. The research population was 45 respondents. Sampling was selected through total sampling technique with a sample size of 45 respondents in accordance with the criteria of inclusion-exclusion. The Kendall Tau test was used for the research data analysis.*

**Result:** *The research results predominantly described that the respondents: age 30-39 years were 23 respondents (51.1%), working as housewife were 37 respondents (82,2%), having children less than 2 were 29 respondents (64,4%), having complete immunization status were 35 respondents (77.8%), having secondary school education (junior and senior high school) were 33 respondents (73.3%), having good knowledge were 33 respondents (73,3%), and having good behavior towards prevention of SARI were 36 respondents (80%). The Kendall Tau test results showed that there was a significant correlation between the education and the mothers' behavior in preventing SARI ( $p= 0.036$ ), and there was a significant correlation between the mother's behavior in preventing SARI ( $p< 0.001$ ).*

**Suggestion:** *It was expected that health workers and respondents were able to enrich the health information on SARI and the prevention of SARI on children under five years old.*

**Keyword:** *Education, Knowledge, Behavior in preventing of SARI.*