PATH ANALYSIS ON FACTORS AFFECTING THE USE OF ANTENATAL CARE AT COMMUNITY HEALTH CENTER IN MADIUN, EAST JAVA

Sinta Ayu Purbaningrum¹⁾, Isna Qadrijati²⁾, Rita Benya Adriani³⁾

¹⁾Masters Program in Public Health, Universitas Sebelas Maret

²⁾Faculty of Medicine, Universitas Sebelas Maret

³⁾School of Health Polytechnics Surakarta

ABSTRACT

Background: Antenatal care (ANC) is a key strategy to decreasing maternal mortality in low income resource settings and it is important to pregnant women as it helps prevent maternal and child mortality as well as pregnancy complications. This study aimed to determine factors affecting ANC visit in Madiun, East Java, using path analysis model.

Subjects and Method: A case control study was conducted in Madiun, East Java, from November to December 2018. A sample of 200 pregnant women with gestational age >36 weeks was selected by simple random sampling. The dependent variable was ANC visit. The independent variables were knowledge, employment, attitude, number of children, income, and husband support. The data were measured by questionnaire and analyzed by path analysis.

Results: ANC visit was directly and positively affected by positive attitude ($b = 1.01$; 95% CI = 0.16 to 1.87; $p = 0.020$), good knowledge ($b = 1.24$; 95% CI = 0.36 to 2.11; $p = 0.006$), strong husband support ($b = 1.17$; 95% CI = 0.30 to 2.04; $p = 0.008$), and high family income ($b = 1.33$; 95% CI = 0.48 to 2.17; $p = 0.002$). ANC visit was indirectly and negatively affected by larger number of children ($b = -1.15$; 95% CI = -1.99 to -0.31; $p = 0.007$). It was indirectly affected by maternal education, employment, and number of children.

Conclusion: ANC visit is directly and positively affected by positive attitude, good knowledge, strong husband support, and income. ANC visit is indirectly and negatively affected by number of children. It is indirectly affected by maternal education, employment, and number of children.

Keywords: antenatal care, knowledge, employment, number of children, income, husband support

Correspondence:

Sinta Ayu Purbaningrum. Masters Program in Public Health, Universitas Sebelas Maret. Jl. Ir. Sutami 36A, Surakarta 57126, Central Java, Indonesia. Email: shintayuu@gmail.com. Mobile: +6282220100192.