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### Factor Analysis Infertility Events in Poly Gynecology Hospitals dr. H. Slamet Martodirdjo Pamekasan

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#### ABSTRACT

The growing assumption in the community is that infertility is caused by women, whereas in men it can also occur at infertility of 20-40%, in women 30-55%, a combined factor of 35% and causes that cannot be identified are 5-15%. The cause of infertility is caused by women and men, the causes also vary. Ranging from sexual problems to genetics. The purpose of the study was to determine the factors that influence the incidence of infertility in the obstetrical Poly of RSUD Dr.H. Slamet Martodirdjo Pamekasan. Quantitative research design with cross sectional approach. The study was conducted on September 17 to November 23, 2018 with a population of 108 couples and a sample of 85 couples with a sample random sampling technique. Data collection of independent variables with questionnaires and dependent variables by means of medical records. Data analysis using logistic regression test. Based on the results of logistic regression statistics, the wife's physical activity variables were p value 0.684 and husband's p value 0.628; wife's nutritional status p value 0.651 and husband's p value 0.392; wife's smoking p value 0.999 and husband's p value 0.028, wife's diet p value 0.306 and husband p value 0.138; then infertile incidence simultaneously influenced by the variable significantly p value 0.000 at  $\alpha = 0.05$ . Infertility events are jointly influenced by physical activity, nutritional status, smoking and diet, and can be influenced by other factors related to reproductive organs in couples of childbearing age. Factors that greatly influence infertility in husbands are smoking. Because cigarette smoke is a chemical that changes DNA, so it is not able to fertilize the egg, slowing down the motility sperm to reach the egg so fertilization does not occur.

**Keywords:** Physical activity, nutritional status, smoking, diet, infertile events

#### INTRODUCTION

Infertility is the inability of a couple to achieve pregnancy after one year regular sexual intercourse and not using contraception. (Setyaningrum, 2014). For married couples to have children is highly desirable. However, as much as 15% of couples in the world to have impaired fertility or infertility (Agarwa et al, 2015).

Based on WHO notes, in the world there are about 50-80 million couples have infertility problems and annually appeared about 2 million infertile couples. There is a possibility that number will continue to rise. Based on the research of every 100 couples, in couples who already have children and they want the child back 15% were below normal fertility. Infertility has increased the incidence of 8-12% of the population worldwide childbirth.

Based on preliminary data survey on July 17, 2018 At 09:30 pm conducted by researchers at the Hospital Dr. H. Slamet Martodirdjo Pamekasan obtained data of married couples who are infertile, not pick the child and routine visits in the year 2017 as many as 108 patients with an average age of patients is 18-45 years (H.Slamet Hospital Medical Record Martodirdjo Pamekasan, 2017), whereas in January-July 2018 there were 48 patients (H.Slamet Hospital Medical Record Martodirdjo Pamekasan, 2018).