

## **ABSTRACT**

### ***STUDY OF COMPLIANCE LEVELS AND KNOWLEDGE OF DIABETES MELLITUS DRUG USE***

*(Study was conducted at the Wonokromo Health Center in Surabaya)*

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*Diabetes Mellitus (DM) is a collection of symptoms that arise in a person caused by an increase in blood glucose levels due to decreased insulin secretion (hyperglycemia). The questionnaire used to measure adherence is the Medication Adherence Rating Scale-10 (MARS-10). This instrument contains 10 questions. Respondents are categorized as "non-compliant" if "score 1-5" and "compliant" if "score 6-10". Based on the score of the MARS-10 questionnaire in control patients, 9 respondents (18%) did not comply, 41 respondents (82%) adhered. In the intervention patients 6 respondents (12%) did not comply, 44 respondents (88%) obeyed. It can be concluded that the level of adherence of patients taking medication increases from initially non-adherent to being obedient. The questionnaire used to measure knowledge is the DKQ-24 Questionnaire (Diabetes Knowledge Questionnaire). This instrument contains 24 questions. The answer choices are "yes", "no" and "don't know". Assessment based on the number of correct answer items is worth 1 while wrong or don't know answers are worth 0. The level of knowledge is said to be high if the score is 17-24, medium is 10-16, and low is 0-9. The results of the knowledge level of taking medicine based on the DKQ-24 questionnaire in control patients 30 respondents (60%) had a moderate level of knowledge, 20 respondents (40%) had a high level of knowledge. In intervention patients, 2 respondents (8%) had low knowledge, 26 respondents (52%) had moderate knowledge, 22 respondents (44%) had high knowledge. It can be concluded that the level of knowledge of respondents classified as moderate knowledge.*

*Keywords : Diabetes Mellitus, MARS-10, Medisafe, DKQ-24*