

## **ABSTRACT**

### **PROFILE OF DRUG COMPLIANCE RATE IN HYPERTENSION PATIENTS WITH OR WITHOUT DIGITAL APPLICATION FOR THE PERIOD OF FEBRUARY – APRIL 2022**

*(Studies conducted in the Siloam Hospital Surabaya)*

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*Hypertension is a chronic disease with increased arterial blood pressure. Hypertension is defined as systolic blood pressure 140 mmHg and diastolic blood pressure 90 mmHg. This study uses a Quasi True Experiment Method which is descriptive observational with prospective data collection using the MGLS questionnaire during February - April 2022. The purpose of this study was to determine the profile of the level of adherence to taking medication in hypertensive patients through a digital application at Siloam Hospital Surabaya. The results of this study in the control group produced a moderate level of adherence to the pre questionnaire as many as 14 patients (58.3%) and the post questionnaire as many as 20 patients (66.67%). For the blood pressure profile in the control group, the average value of pre systolic and pre diastolic blood pressure was 136/75 mmHg, the average systolic and post diastolic blood pressure was 138/74 mmHg. Then in the intervention group, there was a moderate level of adherence to the pre-questionnaire as many as 17 patients (70.8%) to a high level of adherence to the post-questionnaire as many as 20 patients (83.3%). Then the blood pressure profile of hypertensive patients in the intervention group had an average value of pre systolic and pre diastolic blood pressure of 138/76 mmHg to an average systolic and post diastolic blood pressure of 131/72 mmHg.*

*Keyword: Hypertension, adherence medication, application.*