

## **ABSTRACT**

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

**(The study was conducted at the Waru Sidoarjo Health Center)**

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Hypertension is a circulatory system disorder that causes an increase in blood pressure above the normal value, which exceeds 140/90 mmHg. Based on data from the East Java Health Office, hypertension sufferers aged > 15 years reached 11,952,694 people from 40.67 million people or around 29.38% with the proportion of men 48% and women 52%. The purpose of this study was to determine the demographics of hypertensive patients, to determine the profile of antihypertensive drug use, to determine the grouping of adherence to hypertension medication based on each question in the MGLS questionnaire, to determine the profile of blood pressure in hypertensive patients and to determine the profile of adherence to medication in hypertensive patients. through a digital application at the Waru Health Center for the period February-April 2022. The research method used is the experimental method (Experiment Method). This research was conducted by collecting descriptive observational data or data collection techniques carried out through observation and accompanied by recording the state or behavior of the target object. The profile of adherence to taking medication in hypertensive patients with the installation of a digital medication reminder application "Medisafe" and the administration of the MGLS questionnaire, resulted in a level of adherence to taking medication, namely the level of adherence to the questionnaire (pre) as many as 12 patients (50%) to a moderate level of adherence. on the questionnaire (post) as many as 21 patients (87.5%).

Keywords : Hypertension, Adherence, Application Digital