

ABSTRACT

CHANGES IN THE COMPLIANCE LEVEL OF HYPERTENSIVE PATIENTS AFTER USING THE DIGITAL APPLICATION REMINDING THE TIME OF TAKING DRUG

(Study conducted at the Puskesmas Banyuanyar Sampang during February - April 2022)

ST. ARDIANTI RUKMANA

Hypertension is a condition where a person's blood pressure is 140 mmHg (systolic pressure) and or 90 mmHg (diastolic pressure). The purpose of this study was to determine changes in the level of adherence to taking medication for hypertension patients after using a digital application to remind time to take medication at the Banyuanyar Health Center, Sampang for the period February - April 2022. This study uses a digital application instrument "Medisafe" to improve patient compliance in taking medication and the Morisky Green Levine Scale (MGLS) questionnaire to measure patient compliance. This questionnaire has been tested for validity and reliability with a value ($p < 0.05$) and a value (KR-20 0.6612), so each question is declared valid. The results of this study indicate the level of adherence to taking medication based on the MGLS questionnaire score in the control group (Pre) hypertensive patients, namely 15 patients (62.5%). And became obedient in the control group (Post) on question 4 a total of 24 patients (100%). In the intervention group (Pre) the patients did not comply with question 2 with a total of 17 patients 70.9%, became obedient in the intervention group (Post) in question 1 a total of 23 patients (95.8%). The statistical results of the adherence level of the control group were $p = 0.008 < 0.05$, the intervention group was $p = 0.000 < 0.05$. Blood pressure profile of patients with hypertension in the intervention group (Pre) with an average systolic/diastolic blood pressure of 175/95 mmHg. In the control group, the change in the level of compliance remained at the moderate level of compliance. While the intervention group, there was a change in the level of compliance from low compliance to high compliance. Decreased blood pressure in the control group (Post) with an average systolic/diastolic blood pressure of 140/90 mmHg. The results of the control and intervention group blood pressure statistics were $p = 0.000 < 0.05$.

Keyword: Hypertension, Adherence, MGLS