

## **ABSTRACT**

### **LEVEL OF COMPLIANCE IN THE USE OF ANTIEPILEPTIC DRUGS IN EPILEPSY PATIENTS AT THE NEUROLOGY POLYCLINIC, AIRLANGGA UNIVERSITY HOSPITAL**

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Epilepsy is a chronic disease of neurological disorders characterized by the appearance of epileptic seizures. Epilepsy is also known as repeated seizures with brief episodes and certain conditions cause strong shaking of a long duration. In general, epilepsy occurs because the patient experiences fatigue, hits the head, and after losing consciousness the body falls and the seizures cannot be controlled. This disease affects all ages. If the disorder is not treated with proper and regular medication, seizures will cause damage to the brain, people with epilepsy need antiepileptic drugs to control the occurrence of seizures, therefore it is necessary to adhere use of the anti-epileptic drugs (AED). The purpose of this study was to determine the level of adherence in the use of AED based on pill-count and refill drugs in the neurology polyclinic of Airlangga University Hospital. This study is an observational study which is using quantitative descriptive methods and prospective observations using data obtained from medical records and interviews with Neurology patients at the Airlangga University Hospital which was carried out for three months from March to May 2022. The total of the 34 subjects with the results of obedient pill count (64.71%) and non-adherence (35.29%) and the results of compliance with drug refill compliance (38.24%) and non-adherence (61.76%).

**Keywords:** Adherence, Antiepileptic drug (AED), Epileptic, Pill-count, Drug refill