

ABSTRACT

PROFILE OF ORAL ANTIBIOTIC PRESCRIPTION IN APOTEK K-24 KEDUNGSARI SURABAYA

Zhesilia Diah Virawati

Antibiotics are substances produced by microbes, especially fungi, that can inhibit the growth or kill other types of microbes. The mechanism of action of antibiotics is to inhibit bacterial cell wall synthesis, inhibit protein synthesis, inhibit nucleic acid synthesis of microbial cells, inhibit microbial cell metabolism, disrupt the integrity of microbial cell membranes. This study aims to determine the profile of antibiotic prescribing at Apotek K24 Kedungsari because there has never been a study related to the profile of prescribing antibiotics in pharmacies. This study used a total sampling method with a sample of 174 prescriptions, data collection was carried out by taking prescriptions from January 2020 to December 2021. From the data obtained, the most widely accepted antibiotics at the K-24 Kedungsari Surabaya pharmacy were cephalosporin antibiotics. there is also antibiotic stewardship according to the AWERE classification, which stands for access, watch, reserve. And this cephalosporin is included in the watch classification group where this group can cause higher bacterial resistance. The advice that can be given is that pharmacists are expected to be able to provide education to patients about the correct use of antibiotics so that antibiotic therapy can be achieved so as to prevent the occurrence of resistance.

Keyword : Oral Antibiotics