

ABSTRACT

The microscope is one of the most important tools in the laboratory world. Using a microscope we can clearly observe very small objects that can not be seen with the naked eye (less than 0.1 mm). To get a clear observation can up-down the objective lens by rotating the control button so that the results obtained are clear.

Progress in image processing to process images in micro-order is increasing rapidly while conventional microscopes have some limitations, especially in converting analog data into digital data that can be utilized for bacterial identification in real time. It certainly requires a digital data acquisition system using a digital microscope that can be controlled automatically.

Based on the above background encourages writers to conduct research on "Digital Microscopes". The results of digital microscope measurements obtained a fairly clear picture results.

Keywords: Digital Microscope