

**DESCRIPTION THE QUALITY OF LIVER MICROSCOPE
PREPARED SLIDE USING FIXATIVE SOLUTIONS
NBF 10% AND ALCOHOL 70% AT HE
(Hematoxylin-Eosin) STAINING**

Syarifah Nur Fajrina¹, Tulus Ariyadi², Fitri Nuroini²

1. Three years Diploma of Health Analyst Study Program, Nursing and Health Faculty, Muhammadiyah University of Semarang.
2. Sitohistotechnology Laboratory, Nursing and Health Faculty, Muhammadiyah University of Semarang.

ABSTRACT

The use of fixative solutions in tissue is to maintain tissue morphology such as when living tissue conditions without any changes shape or size. NBF 10% is a routine fixative solutions and general used as a fixative solutions in the preparation of tissue microscope prepared slide. Alcohol 70% is one of fixative solutions that have fast penetration potency and easy to get. The purpose of this research is to know the quality of liver tissue microscope prepared slide that have been fixed with NBF 10% and Alcohol 70% this research is descriptive with *Cross Sectional* design. Liver organ samples were obtained from 15 mice (*Mus Musculus*) then trough tissue processing was made into 30 microscope prepared slides with HE staining. The quality of the microscope prepared slides was observed and assessment of 1 score withless result and 2 for the preparation of better result. The result research showed that the microscope prepared slides of liver tissue with NBF 10% fixation was better 90% and the less result 10% of the microscope prepared slides fixed by using the Alcohol 70% obtained the less result 90% and the better result 10%. Based on the results of quality research of liver tissue microsctie prepared slides fixed using NBF 10% is better than the use of Alcohol 70% fixative solutions for the fixation process.

Key word : Fixation, fixative solutions NBF 10%, fixative solutions Alcohol 70%, liver tissue preparations