PENGARUH PEMBERIAN BERBAGAI KOSENRASI EKSTRAK JINTAN HITAM (Nigella sativa) TERHADAP JUMLAH KOLONI BAKTERI Klebsiella pneumoniae

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ABSTRACT

Pneumoniae represent process of infection at windpipe which later become acute infection at lung network which because of bacterium of klebsiella pneumonia. Drug consumption-chemical drug continuing menurus will be able to generate its effect of bacterium him to drug, and impact that happened to unfavourable kesehatanpun. Cumin represent one of the crop which can wear as in therapy alternatif for the disease of pneumonia, because its content him having the character of antibacterial. This Penelitain aim to to know energy efektifitas of antimicrobial to amount of bacterium colony of Klebsiella pneumonia.

In this research used true experiment with design group control only post-test design. Research executed in Inwrought Laboraturium Education Program Doctor of Biotek University of Muhammadiyah Malang, on 06 January up to 12 Februari 2009. this Research device use RAL (Complete Random Device), by 6 (six) treatment group with kosentrasi 0% as control, and from antecedent test which have to be got that usage of kosentrasi 50%, as early from kosentarsi weared in continuation test, As for kosentarsi test continuation also use konsetrasi 0% as control continued with usage of konsetrasi 50%, 60%, 70%, 80%, 90% and 100%, and thrice restating.

Technical data analysis use one way Analysis variant, if showing influence hence continued test of Duncan’S.

Pursuant to result of research can be concluded that cumin extract have an effect on very signifikan to degradation of colony amount of Klebsiella pneumoniae, with got average value of concentration 0% as control that is 1,18 per ml; 50% that is 1 per ml; 60% that is 0,6 per ml; 70% that is 0,4 per ml; 80% that is 0,04 per ml and 90%. Konsetrasi most effective in degrading the amount of colony is 90%, because in this kosentrasii have not there are colony which grow at media. Therefore cumin (Sativa nigella) can be used as determination of bacterium colony amount of Klebsiella pneumoniae.