

**COMPARISON OF DISINFECTANTS EFFECTIVENESS  
AGAINST *Staphylococcus aureus* AND *Pseudomonas aeruginosa*  
ISOLATED FROM UiTM KUALA PILAH, NEGERI  
SEMBILAN LAVATORIES**

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## ABSTRACT

### COMPARISON OF DISINFECTANTS EFFECTIVENESS AGAINST *Staphylococcus aureus* AND *Pseudomonas aeruginosa* ISOLATED FROM UiTM KUALA PILAH, NEGERI SEMBILAN LAVATORIES

The effectiveness of the four brands of disinfectants was compared by conducting phenol coefficient tests at different concentration against two types of organisms. The test organisms are *Staphylococcus aureus* and *Pseudomonas aeruginosa* which were isolated from UiTM Kuala Pilah, Negeri Sembilan lavatories. Further gram staining and biochemical tests were conducted to determine the morphological and biochemical characteristics of the selected bacteria isolated from the lavatories. The phenol coefficient value for disinfectant which is greater than 1 indicates that the disinfectant is more effective against *Staphylococcus aureus* and *Pseudomonas aeruginosa* compared to that phenol. The results showed that disinfectant A has the highest phenol coefficient value (9) against *Staphylococcus aureus*, followed with disinfectant B (5.25), C (5.25) and D (1.25) meanwhile disinfectant A and B had the highest phenol coefficient value (9) followed by disinfectant C (1.25) and D (1.25) against *Pseudomonas aeruginosa*.