

An analytical study on the antimicrobial activity of *Visarpahara Tailaya* against *Candida albicans* and *Staphylococcus aureus*

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Abstract

Visarpahara Tailaya is a herbo-mineral preparation recommended to use clinically in the management of eczema, scabies, itches and other types of skin diseases mainly caused by bacteria and fungi. This study was conducted to determine the antimicrobial activity of this drug using the standard Antimicrobial Sensitivity Test against *Staphylococcus aureus* and *Candida albicans*. The test was performed according to the Well diffusion Method having 6 mm diameter wells on Mueller Hinton Agar (MHA) for *S. aureus* and Sabouraud Dextrose Agar (SDA) for *C. albicans*. As the positive controls, Amoxicillin 10mg/ml was used for *S. aureus* and Fluconazole 2.5mg/ml for *C. albicans*. According to the results, the test drug showed an average Inhibition Zone Diameter (IZD) of 12mm for *S. aureus* and 17mm for *C. albicans* while the positive controls showed 51mm and 25mm respectively. These results show that the test drug *Visarpahara Tailaya* is effective for both test organisms with an increased effectiveness for *C. albicans* compared to *S. aureus*. Therefore, it is concluded that *Visarpahara Tailaya* can be effectively used in the management of *C. albicans* while it is less effective for *S. aureus*.

Key words: Eczema, antimicrobial, inhibition

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