

**Antimicrobial activity of chitosan isolated from fungus
*Rhizopusoryzae***

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Abstract

In this study chitosan was isolated from the fungus *Rhizopusoryzae* by using yeast peptone glucose broth medium (YPG) at the late stationary phase. Chitosan production from mycelium reached to 15 mg/g as dry weight . 25% was the N-acetylation of chitosan while 96% for the D-glucosamine. Chitosan showed antimicrobial activity against *Escherichia coli*, *Staphylococcus aureus* and *Candida albicans* and reach to 20 , 15 and n 15 mm as inhibition zone respectively .

Key words : Chitosan , *Rhizopusoryzae* , Antimicrobial activity

Microbiology Classification QD 241-441