

THE EFFECT OF OILS AND EXTRACTS OF SOME PLANTS ON GROWTH OF *Rhizoctonia solani* Kuhn CAUSED ROOT ROT OF *Vicia faba*.

Nihad Aziz Khammas

Animal Resources Dept. College of Agriculture-Diyala University.

ABSTRACT

The study was carried out to determine the effect of some oils and extract of three plants (Black seed, Garlic and Clove tree) with 10000 and 20000 part per million in the inhibition of growth of *Rhizoctonia solani* In Vitro.

The results showed significant differences for oil and extracts of Clove tree with 20000 ppm. On inhibiting the growth of *Rhizoctonia solani* with ratio (100%) then oils and extracts of Garlic and Black seed they showed Non significant differences between them.

The results showed that there are significant differences with 10000 ppm. among Garlic oil , Clove tree oil and Black seed oil on inhibiting the growth of the fungi (85.13% ,80.13% , 60.72%) respectively.

It also show that there are significant differences on inhibiting of fungi growth among Clove tree extract with 10000 ppm. with ratio (91.38%, 82.5%, 58.68%) respectively.