

**THE EFFECT OFF SOME MEDICAL SEEDS EXTRACTIONS AND NAA GROWTH
REGULATOR ON GERMINATION AND SEEDLINGS GROWTH OF EGG PLANT**

Solanum melongena L.

Hameed Saleh Hammad
College of Agriculture
Diyala University

Najem Abdullah Gumaah Ebtessam Esmaeel .
College of Education/AL-Razi
Diyala University

ABSTRACT

The practical application of this experiment was done in one of nurseries in baquba city during season on 2007 . Egg plant variety “ dania 2006 “ was used in this experiment to find the effect of three medical plants seeds extraction : Black cumin aqueous , Fenugreek aqueous, Fennel aqueous as well as naphthalene acetic acid (on egg plant seed germination and seedlings growth .

Results indicated definitely that seeds soaking treatment got the best one compared to with out soaking or soaking with distilled water (for germination period , % germination %germination rate , and %germination pour) .

High significant differences for soaking seeds with NAA solution compared with soaking seeds with fenugreek and fennel aqueous extractions ,while there was no significant differences between soaking with this regulator and soaking with black cumin aqueous extraction .

The results also show that soaking +spraying (the seedling) treatment got significant differences in vegetative characters of seedling (long , numberof branches / seedling , number of leaves / seedling , leaves area / seedling and fresh weight of seedling) compared with soaking only or spraying only .

The NAA treatment got significant differences in most studies characters flowed black cumin then fenugreek and fennel extraction (no significant differences between this two treatments .