EFFET OF SCIONS TREATMENT PERIOD WITH GROWTH
REGULATORS NAA , BA ON GROWTH OF BUDDED ORANGE ON
SOUR ORANGE ROOTSTOCK .

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ABSTRACT
This study was carried at Al-Hindya horticultural station \ Kerbela during the season 2008-2009 to find out the effect of local orange scion treatment with 100 mg \(1 \) NAA and 75 mg\(1 \) BA and (100 mg\(1 \) NAA + 75 mg\(1 \) BA ) and control for 3 dipping periods (5 , 10 and 15 minutes ) on the percentage of budding success and the root and vegetative growth characters of the budded seedlings . Sour orange seedlings were used as rootstocks . using RCBD , with three replicates . The results were summarized as follow : -

1- Higher budding success percentage were obtained with treatment of buds by (NAA+BA ) at (100 +75) mg \(1 \) gave (93.39% ) as compared with control (65.55% ). The treatment with BA gave 84.44% , while there was decrease due to NAA (46.16% ) as compared with the other treatments .

2- the treatment (100 mg\(1 \) NAA + 75 mg \(1 \) BA ) showed significant increased in most studied the vegetative and roots characters .

3- Treatment with NAA at 100 mg\(1 \) resulted in significant increase in the vegetative and roots characters .

4- Dipping of scions in the growth regulators at 15 minuets period caused of a significant increase the vegetative and root characters . while 5 minuets period gave the lowest means of the characters studied .