

**AIN SHAMS UNIVERSITY**

*Faculty of Engineering*

*Architectural Department*

**ANALYTICAL COMPARATIVE STUDY  
OF  
SOME AGRICULTURAL SETTLEMENTS  
"in Sinai"**

*BY*

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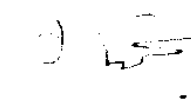
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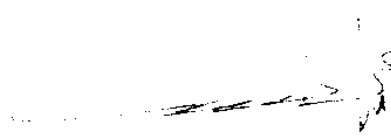
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## **STATEMENT**

*This disseration is submitted to Ain Shams University for the degree of Master in Architectural Engineering.*

*The work included in this thesis was carried out by the author in the Department of Architecture, Ain Shams University from 06-1987 to 02 -1991.*

*No part of this thesis has been submitted for a degree or a qualification at any other University or Institution.*

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**ABSTRACT.**

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The demand for agricultural produce is, continuously, on the increase, especially with our rapid population growth, it has become a necessity to embark upon new agricultural settlements to balance the need with the actual agricultural production. Sinai peninsula covers an area about 61000<sup>\*</sup> square kilometers, thus, Sinai peninsula could play a major role in solving many of the problems on any future development in Egypt. This thesis discusses agricultural settlement development and highlights the importance of the settlements development in Sinai peninsula as a case study. One of the successful agricultural settlements experiences seems to be in Israel, the latter has some common features with Sinai, namely, climatical, geological, and topographical conditions. This research relies mainly on a number of references and specialized studies in the field of Sinai development and the Israeli experience in addition to site survey carried out by the author. This thesis chooses the Israeli experience as a case study to derive out guidelines through the analytical comparative study between two Moshavim, two kibbutzim, and two agricultural settlements in Sinai, finally, an overview of a number of General recommendations and basic considerations derived out in the field of agricultural settlements development.

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<sup>\*1</sup> Dames & More, Sinai Development Study, Phase 1, Final Report, 1985, Cairo, Vol. IV.

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