**جامعة تعز**

**كلية الآداب**

**قسم جغرافيا**

**Geographical Distribution of Malaria Disease**

**in Taiz Governorate for The Period**

**Study in Medical Geography**

**For Partialn Fulfillment Of The Requirements Of**

**An M.A In ARTS IN GEOGRAPHY**

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**Abstract**

The geographical distribution of malaria in the province of Taiz Study in medical geography Studies at the branch of medical geography are still among the few studies in Arab universities generally and in Yemeni universities in particular . Hence , this research is considered an attempt to engage in this area to give a clear picture of one of the most important infectious diseases, namely malaria in the province of Taiz, through Geographical point of view . The study area is in the south-western part of the Republic of Yemen . This study aimed to detect the spatial and temporal characteristics of malaria in the study area, through the following :

1- Disclosure of the impact of natural and human factors in the spread and endemic of malaria in the study area .

2- Disclosure of the distributive picture of malaria and clarification of its concentration ranges as well as preparation of its medical maps of this picture distributive.

The study was based on the available statistical data from the

Ministry of Public Health and Population in Republic of Yemen and data from National Malaria Control Program , as well as field information that has been collected through a questionnaire form and the results of lab tests of blood sample of the sample studied. To treat those data , the study used methods following statistical methods :

- Pearson correlation coefficient to find correlation between some natural and human factors and the numbers of malaria patients in the study area .

- Analysis of time series of numbers of malaria patients and

determining upper and middle summits of the disease as well as

determining the general direction line of disease.

 The study used the statistical package SPSS for data analysis.

 The study demonstrated the spread of malaria in all parts of the study area in varying degrees . The highest degree was in the Coastal Region as it is linked to climatic factors in addition to widespread poverty , illiteracy , and poor health services , as well as the Middle Region , where the disease is concentrated in this region because of establishing many agricultural development projects as well as a number of valleys with seasonal run , which turned in drought into pools intermittent which are suitable environment for the mosquitoes that transmit the disease.