

Research Summary

The Role of Research Centers in Strategic Decision-Making at Yemeni Universities in Light of Scientific Gardens

The aim of the current research is to identify the role of research centers in strategic decision-making in Yemeni universities in light of Scientific Gardens. The researcher employed a descriptive methodology, using both survey and developmental approaches. The research population consisted of two different samples. The first sample was a purposive sample consisting of all members participating in the councils of Yemeni government universities, namely Sana'a University, Aden University, and Taiz University, totaling 88 participants. A comprehensive census approach was used to determine the current status of research centers in Yemeni universities. The second sample was a random sample consisting of experts specialized in Yemeni universities, totaling 12 experts. The Delphi method was used to determine the importance of building the proposed model. The researcher used a questionnaire, as a tool to achieve the research objectives, and its validity was verified with an agreement rate among reviewers of 92% or higher and a reliability coefficient of 0.99. The questionnaire consisted of 69 items distributed across six domains representing the main dimensions of research centers: vision, mission, and objectives; organizational and legislative structure; human and financial resources; technological and material resources; research and scientific culture; and partnership and community development. The researcher collected, transcribed, and analyzed the data using the Statistical Package for the Social Sciences (SPSS). The research resulted in a number of findings, the most important of which are:

- The degree of the current role of research centers in strategic decision-making in Yemeni universities, as perceived by the research sample (members of the councils of Yemeni universities in Sana'a, Aden, and Taiz), was generally moderate, with a mean of 2.76 and a standard deviation of 0.82.

- There were no statistically significant differences in the responses of the research sample (members of the councils of Yemeni universities in Sana'a, Aden, and Taiz).

- The degree of importance of building the proposed model for the role of research centers in strategic decision-making in Yemeni universities, as perceived by the participating experts, was high, with an average weighted mean of 4.04 and a relative weight of 80.7%.

- A proposed model was presented to develop the role of research centers in strategic decision-making in Yemeni universities in light of science parks.

The researcher made a number of recommendations, the most important of which is the application of the proposed model.