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E-waste Management and its Role in Achieving Sustainable Development for the Egyptian Family in light of Egypt's Vision 2030

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Abstract:

Research goal: The current research paper aims at studying the relationship between E-waste management and achieving the sustainable development for the Egyptian family from the point of view of the female household heads, the sample of the study, in light of Egypt's vision 2030. **Research tools:** (all prepared by the two researchers). E-waste management questionnaire, sustainable development questionnaire, general data form for the household head of the family, These tools of study was applied by using Microsoft forms (<https://forms.office.com/r/V7ZMfz35a4>) It was distributed via social media means during the period between 06/08/2021 to 20/08/2021. **Research Methodology:** The research followed the descriptive analytical method.

Findings: The study reached out that: there is a positive collaborative relationship between the overall questionnaire results of the waste management and its axes and the overall questionnaire results of the sustainable development and its axes. There is a significant statistical impact of the E-waste management on achieving the sustainable development. There are statistically significant differences between the average scores of urban and rural women in the research sample in implementation. There are no statistically significant differences in both the planning and evaluation stages and the total e-waste management questionnaire. It is clear that there are statistically significant differences between the average scores of urban and rural women in the research sample in both environmental development and total sustainable development and the absence of differences in both social development and economic development. There are statistically significant differences between the female heads of the households of the research sample in planning in favor of the female heads of the families who are younger in age. There are no statistically significant differences in the implementation, evaluation and total e-waste management questionnaire. There are statistically significant differences between the female heads of the households of the research sample in the social development in favor of the female heads of the families who are younger in age. There are no statistically significant differences in the environmental and economic development and the total sustainable development according to the age of the female head of the family. **Research recommendations:** The study recommended that there should be identified areas at the level of the provinces to compile the E-waste and an incentive system should be applied for all those who would get rid of the E-waste by dumping them at the specified areas. Moreover, the study recommended the waste recycling units should be established in all provinces and the recycling plants should be supported. Establishing educational campaigns to raise awareness about the negative effects of e-waste -if it is disposed of unsafely, preserving environmental resources, and supporting the existing industries involved in e-waste recycling. Adding the e-waste file within the new investment projects that support the national economy in cooperation with the United Nations Development Program.

Keywords :

Management, waste, E-waste, development, sustainable development, Egypt's vision 2030.

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