

The Impact of Sustainable Furniture Design Methods On Activating the Durable Cycle of Furniture

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Abstract:

In light of the economic crises, the prices of furniture industry have increased tremendously beyond the purchase ability of Egyptian consumer, due to the increase of imported raw materials prices entirely which is specified for furniture industry in Egypt, compared with its consumption period. The **Research Problem** was: Insufficiency in making the most of the raw materials used in the manufacturing of Egyptian Furniture, which leads to an exaggeration in the price of the product compared to its consumption period. Therefore, **this research aims** reaching the best of produced furniture in Egypt through durable design methods, and shed light to the importance of adapting sustainable design methods in the contemporary Egyptian Furniture. **The importance of the research** lies in achieving closed use cycle of modern Egyptian furniture, which makes maximum use of furniture. **The researcher assumes** that increasing the furniture use cycle reduces its purchasing cost compared to its consumption time and that the application of sustainable furniture design standards contributes to the furniture usage cycle. The **research represents** some of design concepts that increases furniture life-span like using one furniture piece for more than one function, following several methods after completion of its use such as making some modifications or maintenance in order to reuse and recycle or remanufacturing. This research has reached **some results** such as applying sustainable furniture design concepts contributes to the increase of product durability compared to its market purchase value. **This research recommended** applying the durable cycle for furniture as one of the sustainable principles. And adoption of factories to develop future plans for recycling and remanufacturing of the product in order to avoid the environment the problem of waste after use, whether to adopt the same factories for the product after use or cooperation with other known recycling or reuse.

Keyword:

Sustainable Furniture Design, Durable cycle, Repurpose Furniture, Disassembly Furniture.