

## **Supportive Technology For Integrated Design System Of Recycled Made Furniture**

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### **Abstract:**

With the introduction of industry and technology in all areas of life (equipment and consumer goods) and changing lifestyle and form, the problems of environmental pollution, which was associated with the increase of the volume of waste resulting from industrial processes and formed during the life cycle of the product from the extraction of raw materials through manufacturing and consumption and end to disposal. Therefore, I am interested in studying the descriptive analytical method of recycling theories, which we can define the process of converting waste or useless products into new materials or products of better quality or better environmental benefit, by looking for how to manage the recycling process. From the above we can summarize the research problem in pollution that causes the non-exploitation of these manufactured raw materials after their use, which contributes to the depletion of the environment, where the purpose of the research, which is to reach the best realistic results and research by creating new manufacturing technology based on Protect the environment and contribute to the recycling of these spent materials, with unlimited creativity to create new materials contribute to the development of the design process, the ultimate goal of innovation is to improve the use of resources to manage the process of recycling and achieve better results compared to Rh years. To avoid or minimize as much environmental pollution as possible, a sequence of waste management strategies and their resource and energy efficiency and productivity enhancements based on the principles of: clean production techniques, closed circuit formation (recycling), and environmentally appropriate disposal of waste and waste should be applied and implemented. Recycling plays an important role in protecting and preserving the environment by: conserving resources, reducing consumption (reducing material flow and energy consumption) and protecting the environment. For the success of the recycling process must take into account and achieve the general environmental, technical and economic requirements in addition to the technical requirements of each product and coordination between them during the process of product design. The theoretical framework of research included the study of several aspects included the study of many of the previous results of the theory of recycling, and the extent of development of these raw materials and the mechanism of creativity in the manufacture of materials and the possibility of adaptation with the elements of the interior space and furniture units, where the research gives the expected results to change the general view of these materials and the shift of thinking in These wastes begin a comprehensive process of raw materials management prior to manufacturing to reach a waste-free industry.

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