

Towards strategic e-waste management using green technology approach: A brief review on green product development process

Abstract

Electrical and electronic wastes are commonly known as e-waste is becoming a global issue. It contains dangerous substance that pose environmental and health risk which dominated by gold, silver, copper, platinum, palladium and plastic contents. Therefore, e-waste management needs to be well managed since the amount of e-waste generated will increase substantially. Focusing on waste computer component, this paper highlights the importance of recycle and reuse of computer components that can be transformed into new green technology product. We discuss briefly on benefits of this green approach to mankind and the Eight-Phase of Product Development Process, which pertain to transformation of waste computer component into new green technology product. It is hoped that this preliminary idea will assist developers to complete one functionable yet energy-efficiency model that may create awareness and motivation to our youngsters on utilization of e-waste components.