A METHOD OF MAKING ECO-FRIENDLY PAPER

DO YOU KNOW?

Paper has been used as packaging material before the invention of plastics. Nowadays, more than 85% of papers produced and used in packaging have some effect on the environment. This is because the conventional method of making paper is not environmental friendly as many chemicals are used during the process of making the paper including when treating the wood fibres in the form of pulp, getting papers of acceptable properties such as applicable as printing paper, etc. Moreover, the chemicals are discharged together with wastewater during paper making and thus causing environmental pollution. Therefore, paper is not a green product even though it is biodegradable.

HOW DO WE SOLVE THE PROBLEM?

Inventor has came out with an eco-friendly method of producing paper from banana pseudostem. It is a green material as the process of making this material is green since no chemicals are used and the raw material (banana stem) are renewable. The banana stem sheets are glued together using the banana stem sap and no water is used in the process of making them. The banana stem is obtained from banana plantation, which is sustainable. The process of making banana pseudostem eco-friendly paper is faster and cheaper than the current conventional methods, and the produced paper is stronger and also biodegradable.

The Competitive Advantages:
• The technology to convert banana trees to packaging material is green, no toxic chemicals are used, and the raw material (banana trees) is sustainable and renewable.
• The process of making the eco friendly material is simple.
• The eco friendly material is biodegradable, water repellent, flame retardant (self-extinguishable), and stronger that paper.
• The eco-friendly material can be laminated with other materials for different applications.

WHAT IS THE BUSINESS OPPORTUNITY?

The global market size for paper and paper board in 2015 will be RM1.2 trillion, whilst the banana fibre segment of veneer and board is estimated to be around RM62.2 billion by 2020. Potential customers includes:
• Packaging products manufacturers
• Bio-composites manufacturers
• Furniture manufacturers
• Art and crafts manufacturers, etc.