The Project Design and Furniture Development Which Made of Vetiver Grass to Respond to the Thought of HM King Bhumibol Adulyadej by the Faculty of Architecture and Design

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Nowadays, world industry has been stepped forward to the future. The innovation of technology and science has never stopped. On the other hand, the growth of the industry has affected and destroyed the environment and expanded throughout the world. Humans are directly affected by pollution from air, water and soil. When pollution appears in the world, humans turn to preserve the environment and recognize it as the top important ranking. Thailand is developing the industry, so the environment is being destroyed by new industries. The government and non-government organization recognize that environment is important; therefore, the environment campaigns are used. Natural materials are used to produce products instead of materials which can destroy the environment.

Vetiver grass is useful and can protect the surface of soil erosion and preserve the moisture for the soil that HM King of Thailand recognizes the use of it. His kindness confirms the experiment of Vetiver grass (retrieved from http://thai.ndp.go.th/thsvpeach.php). Vetiver grass is Vetiveria zizanioides Nash (baccane name). Then there was the study by the taxonomy and compared to other kinds of grass about the internal substance which published in Austrobaileyia 5 (1999: 503-63). Its name was changed to be Chrysobogon zizanioides (L. Roberty). Vetiver grass is a long life plant, clump, 100-150 cm high. Its base is flat and leaves are thick and spread out. The leave feature is 35-80 cm long and sharp, and 5-9 mm wide. To reproduce is based on spreading shoot, non-spreading shoot or spread the flower and seed as multicellular plant (retrieved from http://thai.ndp.go.th/index.php).
Velvet grass is not only directly useful to the soil, it can be used to do many things. Because it is sticky, tough, and hard, it is used to produce hand weaving products. Velvet grass feature is interesting, the researchers tend to do research of making it for household appliances by taking it in applying with the process of wood science production. It is used instead of natural wood which is more expensive and rare. moreover, wood for the industries is rare and shortage. Science wood is cheaper than the real one because it is produced by using a piece of wood, stick and the leftover wood, moreover, it is the worth while use of valuable resources.

As being seen from above, lecturers of the faculty of architecture and design, Rajamangala university of Technology Phra Nakhon, determine that Velvet grass is important. They tend to respond the king’s request in using it to design and develop it for furniture in the building that most people live in present day. The size of houses can be 1-2 floors, 150-250 sq. m. The design and decoration used this kind of grass tends to be unique along with trendy design.

The living room suite design and decoration use of velvet grass tend to be unique alone with trendy design by considering 2 aspects of human’s recognition. It is the comfort of using products and environment preservation more over it is the most valuable of using natural resource that are strong, beautiful and fashionable furniture design in the living room.