ABSTRACT

Waste production in Indonesia is increasing along with the increase in population. According to the Ministry of Environment and Forestry, the Directorate of Waste Processing in Indonesia produces 42 million tons of waste in 2021. Plastics can be classified into two types, namely thermoplastics (can be recycled) and thermosets (non-recyclable). The increasing use of plastic materials is due to their lightweight, practical, economical, corrosion-resistant, and transparent properties. The application of this plastic material can be found in food packaging products, household appliances, building equipment to automotive product components. Pelita metal individual company is a company engaged in manufacturing raffia rope that can recycle plastic waste into raw materials in the manufacture of raffia rope. Researchers will discuss solving problems from the company, by conducting research using supporting raw materials and planning a raw material supply system using a website that will use the previous raw material purchase data method. The occurrence of a shortage of raw materials can be identified in the supply of raw materials, limited supply of raw materials, and vulnerabilities in systems (such as the economy, technology, and companies) to limit the supply of raw materials, the researchers created a website that will apply a database that can formulate numbers and information. by using a computer to store data and maintain operational data of a company whose function is to provide information that can facilitate data retrieval and data grouping. The need for raw materials in the following year is calculated using the previous year's production plan data. The system created can simplify the process of purchasing raw materials and using raw materials so that companies can purchase raw materials optimally and with this system it can facilitate data grouping and data search more accurately. With the raw material inventory website, you can easily see the inventory chart.

Keywords — [Plastic Waste, Inventory Control and Website]