ABSTRACT

The Material Codification system is a tool that can identify materials more quickly and efficiently. Therefore, a long description of material can be encapsulated into some numbers only. The code system used to make this material code system is MESC (Mechanical and Equipment System Code).

In the designing of the codification system, materials are collected and classified into the main groups, based on their forms, such as raw material, engine spare parts (tools), consumables. Then, the main groups are divided into sub-groups, based on the dimension and the material specification.

A designing of the code system that is suitable with the existing materials is done as the next step. This code system is selected based on the requirement for the material identification process. So that the designed code system can be flexible for the increment of the materials quantity.

The material storage is a part of the materials identification and sorting activities, so that the material storage system is very important. The material location code is a tool that facilitates the warehouse operators to find materials quickly. The making of the materials location codes requires the chart of the storage and warehouses available in the industry of PT (=limited corporation) “X”

To facilitate the materials sorting and identification process, we need an information system with a design of database system that applies the materials codes as tools to associate a table to other tables. Therefore, the design can provide information about the materials status quickly. And finally, the efforts to increase the work efficiency in the control department can be realized.

Keywords: Coding, Materials storage, Warehouse, Information System.