CAPSTONE RESEARCH

Typical Traceability Barriers in The Indonesian Vegetable Oil Industry (2020)

Authors : Ivan Gunawan, Iwan Vanany, & Erwin Widodo

1. Problem Statement

The implementation of traceability systems in the Indonesian vegetable oil industry faces difficulties in ensuring product quality and safety due to the complex food chain. It is important to study the relationship between typical operational barriers to develop model that can help the creation of an action map to solve potential problems in the industries.

2. Purposes



Identifying typical operationa barriers in the implementation o traceability systems in the Indonesian vegetable oil industry.

| al | |
|----|---|
| of | 2 |
| n | |
| | |

Modeling the relationship between the barriers structurally in order to improve the reliability of the traceability systems.



affects all other barriers above it. system.

4. Results



5. Conclusions



The implementation of traceability systems depends on the technical limitations inherent in the organization and product characteristics.



The proposed actions to remove the barriers consist of three priorities actions: improving the regulatory compliance, technology utilization, vertical integration, and education training.



POSTGRADUATE PROGRAM **INDUSTRIAL & SYSTEMS ENGINEERING DEPARTMENT** SEPULUH NOPEMBER INSTITUTE OF TECHNOLOGY

20 typical barriers in a bulk-liquid traceability system presented in Hierarchical Model and MICMAC diagram.

• The highest hierarchy (Level 6) indicates that the role of the barrier(s) is essential and

• The lowest hierarchy (Level 1) will directly influence the implementation of a traceability

Created By: Ade Aisyah Arifna Putri Aulliya Arwa Farrahtania Dea Dita Krisnasari Kevin Asali Magister Student - ITS Copyright © 2022