



**IMPROVEMENT OF PRE-CODING PRINTING PROCESS
USING KK-530 IMPRINTER FEEDER MACHINE
(Case Study in Pharmaceutical Industry)**

**UNDERGRADUATE THESIS
Submitted as one of the requirements to obtain
Sarjana Teknik**


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**FACULTY OF ENGINEERING
MECHANICAL ENGINEERING STUDY PROGRAM
CIKARANG
May 2023**

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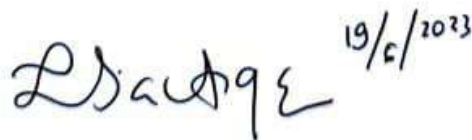
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ABSTRACT

We are currently going through a difficult period of the Covid-19 pandemic. Although we are still struggling together and living side by side with the covid -19 pandemic along with the world's status that has passed the COVID-19 pandemic, the pharmaceutical business is growing and is much needed. The presence of the pharmaceutical industry is expected to meet the increasing demand for medicines, especially multivitamins and supplements. and improve the economy and efficiency of medicine production. There is intense competition among pharmaceutical companies to conduct research, formulate medicine, and increase production. Solid dosage forms, which have a solid and compact shape and texture, are one of the most frequently consumed types of dosage forms. Similar to large manufacturing companies, the pharmaceutical industry has certain output targets that must be met, but still adheres to Good Manufacturing Practices (GMP). Including product identity. The production code, batch number, production date, and expiration date must be printed clearly on the medicine packaging as information and medicine identification that has been standardized and registered by BPOM RI and the Ministry of Health. The sharpness and clarity of this information printing process are one of the determinants of whether or not a medicine can be marketed, of course, operational costs that are drinkable but maximum results and an efficient production process. Each package that will print the information one by one is printed.

Keywords: *Good Manufacturing Practices, BPOM RI, Pharmaceutical Industry, Automated System, Fishbone, Mechanics.*

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