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CHERDPONG DANYUTTASILP : PRODUCTIVITY IMPROVEMENT IN AN  
INDUSTRIAL SPINNING MILL. THESIS ADVISOR : ASSOCIATE PROFESSOR  
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The Objective of this thesis is to study and increase the productivity in an industrial spinning mill which emphasises on the reducing losses. The raw material loss is the potential part which will be considered. Therefore, improve the productivity approaches are improving organization structure, rearranging the plant layout and material handling system by the systematic layout planning methods. Furthermore, it is needed to improve quality of raw material, storage area utilization and plant operation by applying 5S technique.

Conclusion, the implemented results in an industrial spinning mill can be summarized as follows :

1. The production was increased by 27.66 percent as 2,644 kg. per day.
2. The material loss was reduced by 7.56 percent. Therefore, the total cost structure of finished goods was reduced by 4.69 percent.
3. The material productivity index was increased 7.56 percent.
4. The horizontal storage area was reduced by 86 percent.
5. The handling distance was reduced by 25 percent. Therefore, the productivity was also increased.
6. The labour productivity index was increased 27.66 percent.

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ลายมือชื่อนิสิต 

ลายมือชื่ออาจารย์ที่ปรึกษา 

ลายมือชื่ออาจารย์ที่ปรึกษาร่วม -