

CHAPTER 7

CONCLUSION

7.1. Conclusion

To reach the research objective, which is to minimize production lateness by at least 10%, production line balancing is carried out. The results of improvement and analysis show an increase in production line efficiency of 32.35% from the initial efficiency of 43.13% to 75.48%. Apart from that, this research also succeeded in reducing production lateness by 75.36%, from 20 days to 4.93 days. This increase in efficiency and reduction in lateness shows that the method used in this research is effective in overcoming bottleneck problems and improving the overall performance of the production line.

7.2. Suggestion

From this research, there are some suggestions that are recommended for future studies that can be seen on the following points.

- a. Future studies may conduct research about work posture of the workers, because workers seem to have uncomfortable postures when working.
- b. Future studies may conduct in-depth analysis of inventories, so that the company can fulfill orders.
- c. Because this research process is still not able to describe in detail the problems in each work area and production data collecting is still limited to 30 data, future research is needed that can develop the data collecting process, so that problems can be identified in each work area in detail.

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APPENDICES

Appendix 1. Research Approval

SURAT PERNYATAAN KESANGGUPAN MENJAGA KERAHASIAAN DATA DAN INFORMASI PERUSAHAAN

Saya yang bertanda tangan di bawah ini:

Nama : Irene Anugrahati Sombolayuk
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Menyatakan dengan sesungguhnya bahwa saya:

1. Benar menggunakan data perusahaan ajeg.co.id sejak tanggal Juli – Oktober 2023 sebagai bahan penelitian tugas akhir skripsi yang saya lakukan.
2. Sanggup menjaga kerahasiaan data dan informasi yang saya ketahui/dapatkan terkait dengan perusahaan ajeg.co.id. Serta tidak akan memberikan/menyebarkannya kepada pihak-pihak yang tidak berkepentingan pribadi/kelompok yang berpotensi merugikan perusahaan.
3. Bersedia dikenakan sanksi sesuai peraturan perundang-undangan yang berlaku apabila saya lalai atau dengan sengaja berbuat sesuatu yang mengakibatkan tersebarnya data dan atau informasi milik perusahaan yang saya ketahui/miliki.

Demikian surat pernyataan kesanggupan ini saya buat dengan sebenarnya tanpa ada tekanan dari pihak lain.

Yogyakarta, 1 November 2023

Yang membuat pernyataan,



(.... Irene A. Sombolayuk)

Appendix 2. Production area



Appendix 3. Preparation of Shipping Process



Appendix 5. Turnitin Result

Laporan TA_201410595

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