

BAB 5

KESIMPULAN DAN SARAN

Pada bab ini berisi kesimpulan dari hasil penelitian yang telah dilakukan. Selain itu, saran-saran terkait keperluan penelitian berikutnya juga akan diberikan.

5.1 Kesimpulan

Kesimpulan penelitian yang diperoleh berdasarkan studi kasus di PT Suminoe Surya Techno antara lain:

1. Penerapan metode *Lean Six Sigma* berhasil meningkatkan mutu produk dan proses melalui peningkatan level *sigma* sebesar 4,744 menjadi 4,912 dan penurunan nilai DPMO sebesar 589,108 menjadi 321,949. Adanya peningkatan mutu tersebut berhasil menurunkan *internal failure cost* per unit sebesar Rp 28.814,72. Metode *Lean Six Sigma* juga berhasil meningkatkan produktivitas melalui eliminasi aktivitas *non-value-added*. Hal itu dibuktikan dari adanya penurunan total waktu siklus per unit dan total *idle time* sebesar 88,98 detik dan 33 menit. Biaya per unit berhasil turun sebesar Rp 399,64 setelah adanya upaya peningkatan produktivitas yang dilakukan.
2. Penerapan *Lean Six Sigma* pada studi kasus yang telah dilakukan berhasil memberikan peningkatan signifikan pada *job satisfaction* secara keseluruhan. Pada penelitian ini, pekerja yang mengalami peningkatan *job satisfaction* secara signifikan setelah dilakukannya perbaikan adalah pekerja di proses *cutting 1*, *cutting 2*, dan *welding*. Peningkatan yang signifikan terjadi pada 11

item kuesioner yaitu *item 2, item 3, item 4, item 5, item 8, item 9, item 10, item 12, item 14, item 15, dan item 16.*

5.2 Saran

Berdasarkan penelitian yang telah dilakukan, saran yang dapat diberikan untuk penelitian selanjutnya adalah sebagai berikut.

1. Mengidentifikasi dampak dari metode *Lean Six Sigma* terhadap tingkat kepuasan *shareholder* lain yaitu pelanggan, pemilik perusahaan, dan *supplier*.
2. Melakukan studi kasus lebih dari satu perusahaan untuk meningkatkan validitas hasil terkait pengaruh metode *Lean Six Sigma* terhadap tingkat *job satisfaction*.

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