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The Journal of The Textile Institute > Volume 108, 2017 - <u>Issue 11</u>

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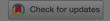
An application of Pareto analysis and causeand-effect diagram (CED) to examine stoppage losses: a textile case from Bangladesh

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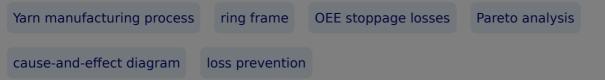
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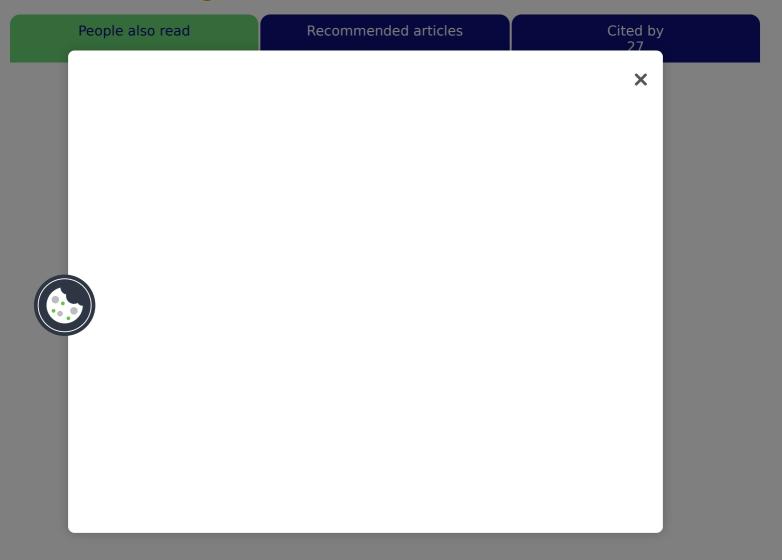
process for ng frame for resources different losses that on. The

Pareto analysis reveals that idling and minor stoppage and breakdown losses are responsible 89.3% of total stoppage losses. According to cause-and-effect analysis, root causes for the stoppage losses are: high doffing time, high traveler changing time, broken end of yarn due to piles generation through the front roller, power failure and change in Draft Change Pinion (DCP) due to breakage of teeth of the gear during starting of machine by operators before lowering of ring rail and change of Twist Change Pinion (TCP) due to the displacement of TCP gear shaft. Finally, few recommendations are made to reduce stoppage losses and to increase the productivity of the ring frame section.

Keywords:



Related research (1)



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