عنوان فارسی مقاله:
یک آنالیز شیوه سازی از راه اندازی بخش و تصمیم‌گیری جمع آوری سفارش برای یک سیستم تولید انعطاف پذیر

عنوان انگلیسی مقاله:
A simulation analysis of part launching and order collection decisions for a flexible manufacturing system
6. Conclusions

This paper presented a simulation study that was conducted to analyze the part launch and order collection decisions in the FMS. All the decisions were examined in the two phases of the experiments. The part launch rules considered for experimentation included ELPQ, LQPQ/TPQ, LTRW, LRUW/TPRW, and the proposed TEM rule in addition to the RANDOM rule. The simulation results in Phase I of the experiments revealed that the proposed TEM rule outperformed the other rules in all the performance measures. The significance of frequently changing the order (pre-emption) of the part collection was addressed in the simulation analysis in Phase II of the experiments.

The simulation results in Phase II showed that the proposed TEM rule again outperformed the other rules in almost all the measures.