

## MONITORING VARIABILITAS DARI PROSES SHORT DAN LONG RUN

Muhammad Mashuri<sup>1</sup>

*Ph.D Student, Department of Mathematics, Institut Teknologi Bandung, Indonesia*  
*E-mail: mashuri@dns.math.itb.ac.id*

One of the problems in the quality improvement is variability monitoring, in such a way so it remains on the threshold. The main problem in the implementation of process variability monitoring is the parameter estimation before the process production is run. . In the short run process or long run process on start up stage the problem is difficult to handle. This paper discusses an approach, which enables to do the process variability monitoring for short or long run processes, without historical data for parameter estimation. An illustration of comparison clarifies the mechanism of our discussion.

Key words: short run, long run, start up stage.

---

<sup>1</sup> *Lecturer of Statistics Department, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia*  
*E-mail: masstat@yahoo.com*