

ISBN : 979-97986-3-9

---

**PROCEEDING**

**National Seminar**

**SEMINAR on  
APPLICATION  
and RESEARCH in  
INDUSTRIAL  
TECHNOLOGY**



**mm UGM Inn  
27 April 2006**

---

Production System Study Community  
Process and Production System Laboratory  
Mechanical and Industrial Engineering Department  
Engineering Faculty Gadjah Mada University