Factors Related to Contact Dermatitis on Workers at PT Inti Pantja Press Industri. PT Inti Pantja Press Industri (IPPI) is an automotive manufacturing industry for car pressing body and car chassis. In the manufacturing process, it uses a variety of chemicals which may cause contact dermatitis for workers. There are other factors which may cause the contact dermatitis to workers worsen including indirect causes. The objective of this research is to investigate factors related to contact dermatitis in workers at PT IPPI. Research is conducted using a cross sectional design with quantitative approach which describe factors affecting the development of workers contact dermatitis. Research subjects are all the worker who uses chemicals during the work process (80 workers) consists from 4 (four) different sections: production (handwork), maintenance (plant service and die shop), quality control, and inventory finish part. Methodology used for data collection was using a questionnaire in which respondents were asked to fulfill a self-completion questionnaire. Results suggested that workers at PT IPPI experienced contact dermatitis are 39 workers (48.8%). There are 4 (four) factors were investigated using chi-square test (95% level of confidence) which are significantly related to contact dermatitis, including: type of work \( (p \text{ value } 0.02, \text{ odds ratio } 3.4 \ (1.305-8.641)) \); age \( (p \text{ value } 0.042, \text{ odds ratio } 2.8 \ (1.136-7.019)) \); working period \( (p \text{ value } 0.014, \text{ odds ratio } 3.5 \ (1.383-9.008)) \); history of dermatitis at previous workplace \( (p \text{ value } 0.042, \text{ odds ratio } 5.9 \ (1.176-29.103)) \). Factors which are not related to contact dermatitis are history of allergy, personal hygiene, and the use of PPE (Personal Protective Equipment).

Keywords: cross sectional, dermatitis, contact dermatitis, workers, automotive industry