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Survey on chemical use situation among household community products on cosmetics and hazardous substances in Nonthaburi Province, Thailand

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Since chemical safety among household community products are still concerned, therefore, the objectives of this applied research were to survey chemical use situation in household community products on cosmetics and hazardous substances in Nonthaburi Province, Thailand. This qualitative research was conducted in samples of 18 household community product entrepreneurs obtaining product quality according to community product standard in Nonthaburi Province by in-depth interview. The research instrument with content validity by 3 experts was interviewing form on chemical use situation of household community products. Data were analyzed by content analysis. The findings of this research revealed that most of the entrepreneurs were single enterprise with investment cost of 50,000 – 100,000 baht. They formulate their household community products by production process from training. Their chemicals used were selected by consulting experts. They generated their products in their own residents with separated areas, kept their chemicals in those areas as well, and worked guided by attached chemical sheets. They used personal protective equipment and disposed production waste through public drainage pipe. They had no chemical information and hazard communication in their production area. The chemicals mainly used were detergent, surfactants, acids, and bases as well as herbs. They all realized aquatic environment pictogram and correct practices in terms of separated production and cooking containers, chemical contact with gloves, concern with chemical contact to their eyes, immediate cleaning of chemical spill, no smoking while working, and hand washing after chemical handling and before eating.

Biography

Sarisak Soontornchai has completed his DSc (Nutritional Toxicology) from Mahidol University and training from Max von Pettenkofer, Berlin, Germany, and Institute of Chemical and Biochemical Sensor, Muenster, Germany. He is Associate Professor of Public Health in School of Health Science, Sukhothai Thammathirat Open University, Thailand. He has published about 30 papers and has been serving as Editor-in-Chief of *STOU Journal*. Additionally, he is as an Editorial Board Member of *ASEAN Journal of Open and Distance Learning (AJODL)* and *Thai Journal of Toxicology*.

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