

## DAFTAR PUSTAKA

- Amirshaghghi Z., Djomeh, Z.E. and Oromiehie, A. 2011. Studies of migration of styrene monomer from polystyrene packaging into the food simulant. *Iranian Journal of Chemical Engineering*, 8 (4): 43-49
- Badan Pengawas Obat dan Makanan Republik Indonesia. 2011. Peraturan tentang pengawasan kemasan pangan Nomor HK.03.1.23.07.11.6664. BPOM RI
- Badan Pengawas Obat dan Makanan Republik Indonesia. 2011. Peraturan pengawasan tentang metode analisis kosmetika Nomor HK.03.1.23.08.11.07331. BPOM RI
- Badan Pengawas Obat dan Makanan Republik Indonesia. 2008. Kemasan polistirena foam (polistirena busa). *InfoPOM*, 9 (5): 1-11
- Diodovich, C., Bianchi, M.G., Bowe, G., Acquati, F., Taramelli, R., *et al.* 2009. response of human cord blood cells to styrene exposure: evaluation of its effects on apoptosis and gene expression by genomic technology. *Toxicology*, 200 (2-3): 145-157
- Gandjar, I.G. & Rohman, A. 2007. *Kimia farmasi analisis*. Yogyakarta : Pustaka Pelajar.
- Grob, K. 2008. The Future of simulants in compliance testing regarding the migration from food contact materials into food. *Food Control* 19 (3) : 263-268
- Harmita. 2004. Petunjuk pelaksanaan validasi metode dan cara perhitungannya, *Majalah Ilmu Kefarmasian*, 1(3):117-135.
- Ibrahim, S. 2001. Penggunaan Statistika dalam validasi metode analitik dan penerapannya. Prosiding Temu Ilmiah Nasional Bidang Farmasi VI. Sentra Teknologi Polimer (STP) – BPPT, Tangerang
- International Conference on Harmonisation (ICH). 1996. *Validation of Analytical Procedures : Text and Methodology Q2(R1)*
- International Life Science Institute. 2002. *Packaging Materials 2: Polystyrene for food packaging applications*. Belgia : ILSI Europe
- Joint Expert Committee on Food Additives (JECFA). 1984. Summary of evaluations performed by the joint FAO/WHO Expert Committee on food additives. Diakses pada tanggal 10 Januari 2016 [http://www.inchem.org/documents/jecfa/jecval/jec\\_2204.html](http://www.inchem.org/documents/jecfa/jecval/jec_2204.html).

- Kruijk & Rijk. 2003. *Novel food packaging technique*. London: Woodhead Publishing.
- Lutz, W.K. & Schlatter, J. 1993. The Relative importance of mutagens and carcinogens in the diet. *Pharmacol. Toxicol*, 72 (1): 104-107
- Mariana, D., Nuri, A. dan Hanifah, N.L. 2013. Validasi metode analisis kandungan spesifik residu total monomer stirena pada kemasan polistirena. *Jurnal Kimia dan Kemasan*, 35 (2): 113-122
- Marsh, K. & Bugusu, B. 2007. Food packaging: roles, materials and enviromental issues. *Journal of Food Science*, 72 (3): 39-55
- Mayo, F.R. 1968. The Dimerization of styrene. *Journal of the American Chemical Society*, 90 (5) : 1289-1295.
- Ohyama, K., Satoh, K., Sakamoto, Y., Ogata, A. and Nagai, F. 2007. Effects of prenatal exposure to styrene trimers on genital organs and hormones in male rats. *Experimental Biology and Medicine*, 232 (2) : 301-308.
- Ohtani, H., Ichikawa, Y., Iwamoto, E. and Miura I. 2011. Effects of styrene monomer and trimer on gonadal sex differentiation of genetic males of the frog rana rugosa. *Environmental Research*, 87 (3) : 175-180
- Pambudi, T. 2009. Perancangan pabrik polistirena dari stirena monomer proses suspensi polimerisasi kapasitas 25.150 ton/tahun. *Skripsi*. Surakarta: Universitas Muhammadiyah Surakarta
- Paraskevopoulou, D., Dimitris, S.A. and Adamantini, P. 2011. Migration of styrene from plastic packaging based on polystyrene into food simulants. *Polymer International*, 2012, (61): 141-148
- Khaksar, M.R. & Mahmud, G. (2009). Determination of migration monomer styrene from GPPS (General Purpose Polystyrene) and HIPS (High Impact Polystyrene) cups to hot drinks. *Toxicology Mechanisms and Methods*, 19 (3): 257-261
- Rohman, S. 2003. Evaluasi kandungan monomer stirena dalam plastik pengemas stirena. *Prosiding Simposium Nasional Polimer IV*. Sentra Teknologi Polimer (STP) – BPPT, Tangerang
- Saim, N., Rozita, O., Hurin, A.W., Mohamad, R.M.Z. and Nazarudin, I. 2012. A study on the migration of styrene from polystyrene cups to drinks using Online Solid-Phase Extraction Liquid Chromatography (SPE-LC). *The Malaysian Journal of Analytical Sciences*, 16 (1): 49 – 55

- Selke, S.E.M., John, D.C. and Ruben, J.H. 2004. Plastic packaging : properties, processing, application and regulations second edition. Berlin: Hanser Verlag Publications
- Sitohang, K. 2008. Karakterisasi sifat fisika dan kimia plestisiser poligliserol asetat dan kinerja plastisasi dalam matriks termoplastik polistirena. *Tesis*. Medan: Universitas Sumatera Utara.
- Speit, G. & Henderson, L. 2005. Review of the in vivo genotoxicity tests performed with styrene. *Mutation Research/Reviews in Mutation Research*. 589 (1) : 67–79.
- Sulchan, M. & Endang, N.W. 2012. Keamanan pangan kemasan plastik dan polistirena busa. *Majalah Kedokteran Indonesia*, 57 (2): 55-59
- Susanti, M. & Dachriyanus. 2014. Kromatografi Cair Kinerja Tinggi. Padang: Andalas University Press
- Tahid, Roetamsjah, Nuri, A. dan Edi, M. 1998. Analisis residu monomer stirena dalam lateks polistirena dengan HPLC. Prosiding Simposium Nasional Polimer II. Puslitbang Kimia Terapan- LIPI, Bandung
- Tawfik, M.S. & Huyghebaert, A. 1998. Polystyrene cups and containers : styrene migration. *Food Additives and Contaminants*, 15 (5): 592-599
- Tawfik, M.S. & Baabdullah, H. 2014. Migration levels of monostyrene in most vulnerable foods handled and stored in polystyrene containers and their impact on the daily intake. *Pakistan Journal Food Science*, 24(1) : 57-63
- United Nations Environment Programme. 2009. Converting waste plastics in to a resource. Osaka: United Nations Environmental Programme Division of Technology, Industry and Economics International Environmental Technology Centre.
- Yanagiba, Y., Ito, Y., Yamanoshita, O., Zhang, S., Watanabe, G., Taya, K., *et al.* 2008. Styrene trimer may increase thyroid hormone levels via down-regulation of the aryl hydrocarbon receptor (ahr) target gene udp-glucuronosyltransferase. *Environe Health Perspect* 116 (6): 740–745.
- United Nations Office on Drugs and Crime. 2009. Guidance for the validation of analytical methodology and calibration of equipment used for testing of illicit drugs in seized materials and biological specimens. New York: United Nations