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**NON-POINT SOURCE POLLUTION (NPS) AND EXPECTED MEAN
CONCENTRATIONS (EMC) A FOR DETERMINED SOIL CONTAMINATION
IN SG. SEMENYIH, SELANGOR**

Rohayu Che Omar, Farha Mohd Jamil and Nurul Eilmy Zainuddin
Universiti Tenaga Nasional, KM 7, Jalan Kajang Puchong,
Kajang Selangor

ABSTRACT

Non-Point Source Pollution (NPS) and Expected Mean Concentrations (EMC) method are use to model Zinc (Zn), Copper (Cu) and Lead (Pb) in soil from year 2003. Modeling result for year 2005 show the concentration Zn value is 2754.4 (kg/year), 399.9 (kg/year) for Cu and 206.5 (kg/year) for Pb. The generated values from NPS modeling for year 2005 are compared with observed values in year 2003. Pollutant loading increment for Zn is 84%, Cu is 54% and Pb is 43% and show higher concentration at the upper stream of Semenyih River.