Abstract:

Heavy metals are the hazardous substances that produced by industrial waste, included lead (Pb), mercury (Hg), cadmium (Cd), arsenic (As), copper (Cu), and chromium (Cr). Characteristics of lead (Pb) are soft consistency and black color. That heavy metal could cause acute and chronic body intoxication. Health effects of lead intoxication, such as neurology, kidney, reproductive system, hemopoitic system disorders. Characteristics of mercury are white liquid and boiling point is 356.90°C. The famous health effect of mercury intoxication is minamata disease. Other effects of mercury intoxication included cereblal palsy, mental retardation, and libido disorders. Characteristics of cadmium (Cd) are soft and white. The health effects of cadmium intoxication such as kidney, cardiovascular and bone disorders. The health effects of arsenic intoxication included eyes, skin, blood, kidney, liver, respiratory tract, reproduction, gastrointestinal tract, and immunological disorders. The health effects of copper intoxication included Wilson’s disease and Menke’s disease. The health effects of copper intoxication included respiratory system, skin, kidney, and vascular disorders.