Abstract
This research study about capacity adsorpsi from bottom ash, for adsorption of methylene blue from aqueous solution. Adsorption test by determine flow rate, initial concentration, and pH optimum. Variations of influent flow rate on column were at 1,6 mL/minutes, 4 mL/minutes, 16 mL/minutes, 26,4 mL/minutes, 33 mL/minutes, 43,2 mL/minutes. The result show that determine initial concentration methylene blue is known that increasing concentration methylene blue make increase adsorption capacity. Result show that increasing of flow rate can’t decreasing adsorption capacity of adsorbent to methylene blue. The pH effluent was not affected by the initial pH of influent. However, the adsorption capacity affected by the pH influent. At adjusted pH 2, the capacity adsorption was higher.

Keywords: bottom ash, adsorption, column method, dyes, methylene blue