

Preparation of coal water fuel (CWF) from Banko Coal, South Sumatera

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20407142&lokasi=lokal>

Abstrak

The experiment of CWF preparation in laboratory scales have been studied using the kind and amount of additives and coal content as the process variables. Other variables such as particle size, time, and speed rate of stirring were kept constant. CWF with 45 wt % of dry solids, heating value of 5,475 BTU/lb, and stable without the evidence of sedimentation for 9 weeks have been obtained by using Carboxy Methyl Cellulose as the additive. Low coal content and heating value can be increased by hydrothermal process on the elevated temperature and pressure. By this process, CWF with dry solid of 55 wt % and heating value of 7,125 BTU/lb could be obtained.