

## Penurunan intensitas warna limbah pabrik pulp oleh aktivitas kapang

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20410138&lokasi=lokal>

---

### Abstrak

Pulp factory produces dark brown wastewater. Substance which produces this color, is known as lignin – a hardly biodegradable substance due to complex molecule structures. Four mold isolates were found from 20 samples originated from places with high lignin contents. Isolate 11 c (cf. *Aspergillus* sp) showed highest colour removal efficiency when compared to the other. Namely isolates 9a (cf. *Fusarium* sp.), isolate 10 b (cf. *Fusarium* so.), isolate 12 (cf. *Aspergillus* sp.) this isolates was able to remove color of pulp wastewater 67% on 7th day. This removal efficiency increased to 78% on 21st day. Optimum pH for this color removal was 2.5, which was original pH of wastewater. PH adjusment to 5,7, and 9 decreased color removal efficiency.