

Figure 44 Comparison of Indigo Carmine decolorization by Cu-alginate immobilized laccase of *Ganoderma* sp. KU-Alk4 in the 5 L-airlift bioreactor system with different airflow rates. The airflow rate was adjusted at 0 (A), 4 (B), 7 (C) and 10 L air/4 L reaction mixture/min (D). Indigo Carmine 25 mg/L, each batch. Cu-alginate immobilized = 3 IU/bead, total Units = 6×10^4 IU. Distilled water was used to dissolve Indigo Carmine.