A SPUTTERED ZnO THIN FILMS AS A TCO

N. SEBAA¹, M. BENHALILIBA¹, A. TOMBAK², Y. S. OCAK²

¹Physics Department, Sciences Faculty, USTO-MB University, BP1505 Oran, Algeria. ²Department of Science, Faculty of Education, Dicle University, Diyarbakır, Turkey.

ABSTRACT. We studied the structural and optical properties such as the crystal structure, the optical gap ,absorption and transmittance coefficient, grain size. And resistivity of ZnO thin films grown by sputtering technique.

KEYWORDS: ZnO, sputtering, Electrical and optical properties, XRD