**NGHIÊN CỨU TỔNG HỢP NANO ZnO PHA TẠP Co**

**BẰNG PHƯƠNG PHÁP SOL-GEL**

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**SUMMARY**

This paper presents the study results of synthesis of ZnO doped Co based on Sol-Gel method. Its characterization and physical properties investigated by X-ray diffraction (XRD) analysis, UV-Vis diffuse reflactance spectroscopy, scanning electron microcopy (SEM) and transmission electron microscopy (TEM) shows nanoparticle ZnO.Co is a sphere hexagonal wurtsite were determined in the range of about 15-30nm. Material nanoparticle ZnO doped Co has antibacterial of the microorganisms are Staphylococcus aureus and photocatalyst under visible light irrediation.