**NGHIÊN CỨU TỔNG HỢP NANO ĐỒNG VÀ ỨNG DỤNG**

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**SUMMARY**

*The synthesis of copper nano particlest with reducing agents, obtained from the extracts of dried fresh tea leaf and banana skin, were researched.*

*The results showed that the extracts from fresh tea leaf and banana skin are better than other. The absorption spectrum of Cu particles is in the 560 – 580 nm band. TEM shows copper nano particles are spheres with size of 4.18 – 5.11 nm. The antibacterial activity of Cu- nano has been tested, which is efficient against bacterial strains of Staphylococcus aureus and Escherichia coli.*

*Keywords: Copper nano, tea leaf, Musa balbisiana Colla, antibacterial activity .*