**Abstract**

Biofertilizers are the substances which make use of microorganisms to fertile the soil. The plant growth promoting bacteria was act as biofertilizer to enhance the plant growth. These types of microorganism are used to increase the level of nutrients in the plants. They let the plants into a healthy environment and do not cause the pollution. Seven bacteria strains isolated from rhizospheric soil of *Spathaglottisplicata*.The screening and isolation of plant growth promoting bacteria was subject to confirm through the Salkowshi reagent. The pink color indicated the presence of IAA in plant growth promoting bacteria. Out of 7 bacterial isolates 3 bacterial cultures were produced high amount of auxin content. The plant growth promoting bacteria were identiﬁed by morphological analysis [gram stain, cell shape, size and motility] and biochemical analysis [IMVIC Tests].