



### ABSTRACT

This study determined the level of accumulation of lead in soil and in parts of *Canna indica* L. (Bandera Española) such as leaves, stem, flowers, and roots. The Bandera Española was collected from three different stations along Aguinaldo Highway City of Dasmariñas, Cavite such as Meralco, Petron, and Walter Mart station where they have no significant difference with each other. The factors why these chosen stations have lead were due to lead based paints from buildings and lead from auto emissions since they were along the highway. The plant tissues were found to have no significant differences on stems, leaves and roots where they accumulated an equal lead concentration while the flowers accumulated the highest amount of lead content and was found to have significant difference compare to the other three parts. Based on the obtained results the upper portion of the plant sample accumulated higher than on root portion because lead is known to pass through aerial way.