Indian insulin plant belongs to the family Costaceae is commonly used as a medicinal plant and capable of having magic cure for diabetes. Consumption of the leaves are believed to lower blood glucose levels, and diabetics who consumed the leaves of this plant did report a fall in their blood glucose levels. Because of the precious medicinal value, this plant has imported to grow in Viet Nam by some organizations. Identification of this plant is a necessary step to develop this plant as a new herbal medicinal source. Morphological identification and analysis partial sequence of \textit{rbcL}, \textit{MatK}, ITS1 genes of Indian insulin plant’s leaves had pointed out that Indian insulin plant which had been imported in Vietnam is \textit{Costus pictus} (D. Don, 1833).

**Keywords:** Insulin plant, diabetes, Costus pictus, identification.