7.0 Future Research Strategy.

i. In the present study assessment of potential of bamboo shoot in the state of Jharkhand has been conducted in the selected villages and markets of Jharkhand. This was done to estimate of bamboo shoot presently harvested and its market value, preference of species, sale, consumption storing and its marketing. Village and market survey was done to get first time data relating to Jharkhand. Such study has not been conducted in India except for North Eastern states. Number of villages and market was lesser in number. Further studies need to be taken defining sampling intensity with higher sampling intensity, periodical recording of data etc., to get better results.

ii. The present study justifies the effect of inorganic and organic amendments for three species in increasing the emergence, survival, duration of emergence, culm length and culm diameter. It is necessary to prescribe dose for different soil condition. Further studies should be carried out with more doses and in lesser range.

iii. For Organic amendments vermicompost has been used. There are many other organic fertilizers like compost, chicken manure etc. Further research may be conducted comparing various organic fertilizers on a wide range of bamboo species.

iv. In the present trial mulching material has been used as polythene sheet, rice straw and bamboo leaves. A number of organic and inorganic mulches are required to be evaluated in future like rice husk, grasses, forest litter and saw dust.

v. Bamboo shoot harvest trial was conducted with harvesting of 20%, 30% and 50%. Better impact has been obtained in case of 50% harvesting. Thus, it would be prudent to carry out trials of more and higher harvesting intensity in future to optimize yield.
vi. Nevertheless trials on water use efficiency through drip irrigation in combination with manuring and mulching may provide the farmers acceptability for shoot cultivation keeping in view the longer drought/rainless season for Jharkhand.

vii. Few other species which suits the climatic condition of Jharkhand like *Bambusa bambos* and *B. tulda* may be tried for shoot production.

viii. Edible characteristics across the species have to be given importance for providing wider acceptability and preference.

ix. Studies on community model development with bamboo shoot species with a view to encourage eco-tourism.

x. Development of Agroforestry model involving livestock’s and poultry farming, Vermicompost production with or without agricultural crop and medicinal plants alongwith edible shoot cultivation.