

Test Strain Yield Expectations Long Bean Plants (Vigna sinensis L.) Seeds Black White Dark.

Suci Ihsan

*Diploma Course IV Seed Production Engineering Department of Agricultural
Production State Polytechnic of Jember
anthosan1330@gmail.com*

ABSTRACT

Long bean breeding programs aiming to improve the genetic status so expect the new strain can cover the shortfall in the previous long bean strains, both in terms of physical appearance, taste and in terms of production. In the final stages of plant breeding to be evaluated one through crop yield assessment. In this research, planted four promising lines namely KP 1306, KP 1307, KP 1308 and KP 14004. While the two varieties are used to assess the advantages possessed by each strain. Four strains were tested using non factorial completely randomized design with four replications. On each block planted four lines and two varieties so that there are 24 experimental plots. Observations were made on the plant height, flowering age, harvesting age, harvest frequency, pod length, weight of pods per plant, number of seeds per pod, potential yields per hectare, and 1000 grain weight. While covering the seed quality germination test, test speed of growth, and simultaneity test grows. The results showed strain KP 1306 have the opportunity to be released into new varieties because it has several advantages of varieties in terms of both production and seed quality. Advantages possessed by the strain KP 1306 among which the tall plants, flowering age, harvesting age, and the length of the pod. It also has production lines in 1306 KP is not much different from the varieties with potential per hectare reached 22.44 tons per hectare.

Keywords: Test of yield, promising lines, varieties