Husk (spermodermis) Glycine max L. in general used as side dish to livestock animal. This matter very regrettablly because the soy spermodermis can be processed to become fibrous food which have top-rat. At pregnant soy spermodermis of vitamins required by body like carbohydrate, protein, fat, dusty rate and also vitamin. Target of this research is to know: (1) influence of addition of sugar type and thinning storey:level to quality of soy spermodermis nata (Glycine max L.) and (2) [at] addition of sugar type and thinning storey; level yielding the quality of Glycine max L. spermodermis nata the best.

This research executed in Biological Laboratory and Chemical Laboratory of University of Muhammadiyah Malang on 20 July until 20 August 2007. Research conducted by using factorial pattern experiment method consisting of two factor that is gist of spermodermis got sugar type and soy 10 treatment combination by 3 restating times rill. Technique analyse data is variant analysis 2 factor.

Result of statistical test by using anava 2 and factor of anava same of subjek obtained by conclusion that there is difference of quality of nata Glycine max L. spermodermis effect of influence of thinning and addition of sugar type. From result of research of treatment of A4G1 with addition of coconut sugar represent best treatment to be is heavy of nata 310,80 gr, thick 5,55 mm, with nature of organoleptic took a fancy to by panelist with harsh fibre rate 2,47% and sugar rate reduce that is 0,61%. While combination treatment of A1G2 that is with addition of sand sugar obtain result of terendah that is wet weight 76,667 gr, thick 1,32 mm, harsh fibre 1,02%, and sugar reduce 1,68%. Pursuant to result of research, can know that nata can be made of [by] gist;sari of spermodermis Glycine max L. with addition of coconut sugar, which can influence the quality of shown of content and physical of content nata.