RINGKASAN

Telah dilakukan penelitian kandungan zat besi dalam kedelai dan tempe. Obyek yang dianalisa adalah kedelai rebus, kedelai pecah , kedelai terfermentasi 1 hari dan kedelai terfermentasi 2 hari atau tempe.

Besi yang ada dibuat kompleks dengan thiosianat menjadi $[Fe(SCN)_6]^{3-}$ yang berwarna merah. Penentuan kadar zat besi diukur dengan spektrofotometer model 390.

Hasil penelitian menunjukkan kandungan zat besi pada kedelai rebus 58,22 ppm, kedelai pecah 15,85 ppm, kedelai terfermentasi 1 hari 25,53 ppm dan tempe 62,84 ppm.

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SUMMARY

The iron concentration in soy-bean and tempe have been measured. Object to analysis is fermentation in ; 1st, 2nd day , boiled and split soy-bean.

Iron complexed with thiocyanat become red colour $[Fe(SCN)_6]^{3-}$. Measurement was done by spektrofotometer type 390.

The result of observation, indicated that concentration of iron in tempe with fermentation 1st, 2nd day is : 25.53 ppm, 62.84 ppm, and in boiled and split soy-bean is : 58,22 ppm and 15,85 ppm.

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