

ABSTRACT

**VALIDATION METHOD OF DETERMINATION IRON IN
MULTIVITAMIN-MULTIMINERAL TABLET WITH VISIBLE
SPECTROPHOTOMETRIC USING 1,10-PHENANTROLINE**

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The aim of this research to determine validation parameter on determination of iron in multivitamin-multimineral tablet with visible spectrophotometric use 1,10-phenantroline. Calibration graph was linier on the range 0,25-2,5 ppm of Fe^{2+} with r value was 0,9999. The result of selectivity test of the method was selective. The result of accuracy test for iron with visible spectrophotometre method for 80%, 100% and 120% component were $97,29\% \pm 6,0013$; $101,35\% \pm 1,5619$; and $97,64\% \pm 3,2446\%$. Precision test for iron with visible spectrophotometre method determine with statistic test showed that the method has high degree of precision.

Keyword: Method validation, visible spectrophotometric, iron, 1,10-phenantroline.