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The infrared spectrum gave an information regarding the interaction amongs atoms dan was the plot of the quantity of transmitted radiation to the frequency of radiation used. The resulting absorption bands were due to the interaction between radiation and atomic vibration (Hardjono, 1992). **Table 2** and **Table 3** were wavenumbers list of peaks of spectra demonstrated on **Figure 3** and **Figure 4**, respectively. The figures and tables showed that the wavenumbers of spectrum peaks of isolated substance were the same as those of standard solasodine. There were peak at the wavenumber of 3000-3500 cm^{-1} representing the O–H group, at 2800-3050 cm^{-1} representing the C – H and $-CH_3$ group, at 1550-1650 cm^{-1} representing N – H group, at 1400-1500 cm^{-1} representing C = C group, and at 1100-1400 cm^{-1} representing C – N group; while the peak at 900-1100 cm^{-1} was just the noise of the instrument. These infrared spectra indicated that solasodine existed in the extract.

CONCLUSION

Based on the results of this research, it could be concluded that the *direct method steam distillation* followed by reflux with concentrated hydrochloric acid, can simply be used to isolate solasodine from the fruit of *Solanum melongena* L. The color reaction, thin layer chromatography, and Fourier transform–infrared spectrophotometry confirmed the existence of solasodine in the extract of the plant's fruit.

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