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CITA SUCI ROMADHONI

ISOLASI KUERSETIN DARI DAUN JAMBU BIJI (*Psidium guajava* L.)

FAKULTAS FARMASI UNIVERSITAS AIRLANGGA
BAGIAN ILMU BAHAN ALAM
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Lembar Pengesahan

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Dibuat Untuk Memenuhi Syarat Mencapai Gelar Sarjana Farmasi Pada

Fakultas Farmasi Universitas Airlangga

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ABSTRACT

QUERCETIN FROM LEAVES OF *Psidium guajava* L.

Quercetin is one of substance which occur in *Psidium guajava* L. which useful as antioxidant, antiinflamatory, anticarcinogenic, Antiviral, and Antihistanine. This substance was isolated by maceration method with increasing polarity of solvent using *n*-hexane, ethyl acetate and methanol. The separation of the component is achieved by vacuum liquid chromatography into hexane-ethyl acetat following with ethyl acetat-methanol as mobile phase.

The fraction were purified with TLC preparative. Qualitative analysis using TLC densitometry and Spectrophotometry UV-Vis acquired 256 nm and 370 nm as the identically λ maximum with quercetin standard. Match factor using TLC Densitometry is 993, 48 and with Spectrophotometry UV-Vis is 994,89

Keyword: Quercetin, Vacuum Liquid Chromatography, TLC preparative, TLC Densitometry, Spectrophotometry UV-Vis, Match factor.