

CHAPTER V

CONCLUSION AND RECOMMENDATION

The phytochemical investigation of the leaves of *Agaia edulis* A. Gray revealed the presence of four compounds, *N*-[4-(1-oxo-2-phenylethyl) aminobutyl] phenylacetamide (235), *N*-[4-(1-oxo-*trans*-3-methylthio-2-propenyl) aminobutyl] phenylacetamide (237), *Trans*-3-methylthio-*N*-[4-(1-oxo-*trans*-3-methylthio-2-propenyl) aminobutyl] propenylamide (238) and quercetin-3-*O*-rhamnoside (241). Three alkaloids isolated from the chloroform extract were found to be new natural products. The known flavonoid glycoside isolated from the methanol extract.

The pharmacological study of the alkaloid is one of the points strongly recommended.

Further work should be done on the investigation of minor alkaloids and some other non-polar compounds in the hexane extract (I), minor alkaloids in the chloroform extract (II) and minor flavonoids in the methanol extract (III).