

# Development of a Protocol for Extraction of Tannin from Some Selected *Terminalia* sp in Various Solvents

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Tannin is a very inexpensive industrial material found in many parts of plants such as *Terminalia* sp. In this study fruit of *Terminalia chebula* (Aralu), bark of *Terminalia arjuna* (Kumbuk) and dried fruit of *Terminalia belerica* (Bulu) were selected as tannin sources. The method of extraction of tannin was studied to obtain the highest possible yield. The determination of these tannins by spectrophotometry enabled us to establish the qualitative and quantitative evaluation of this compound and the effect of each extraction conditions on the total tannins from the *Terminalia* sp. The best procedure to extract tannin from three plant sources was found to be using 80 % (v/v) methanol-water at pH value of 8 and 80 °C. Total tannin contents of Aralu fruit, Kumbuk bark and Bulu fruit found to be 23.9, 17.9 and 17.1 % (w/w), respectively.