

Analisis Kromosom Beberapa Tribe Famili Asteraceae di Lingkungan Kampus UI Depok = Chromosome Analysis on Some Tribes of Asteraceae Family in Universitas Indonesia

Dwi Fauziyah Putri, author

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Abstrak

Penelitian jumlah kromosom famili *Asteraceae* di lingkungan kampus Universitas Indonesia Depok telah dilakukan pada 13 dari total 21 spesies pada tahun 2013 dan 2015. Penelitian ini bertujuan untuk melengkapi data jumlah kromosom pada 8 spesies lainnya, namun hanya 4 spesies yang berhasil diperoleh. Metode yang dilakukan adalah modifikasi orcein-*squash*. Empat spesies *Asteraceae* yang diperoleh yaitu *Blumea balsamifera* (tribe *Inuleae*), *Eclipta prostrata* (*tribe Heliantheae*), *Porophyllum ruderale* (*tribe Tageteae*), dan *Youngia japonica* (*tribe Cichorieae*). Jumlah kromosom keempat spesies tersebut telah diketahui, yaitu *Blumea balsamifera* ($2n=12, 16,$ dan 18), *Eclipta prostrata* ($2n=10, ca.11, 12, 14, ca.15, 16, ca.17, 18, 20,$ dan 22), *Porophyllum ruderale* ($2n=ca.18, 20, ca.22, 24, 26, 28, 0, 32, 34, ca.36,$ dan 38), dan *Youngia japonica* ($2n= 8, 10, 12, 14, ca.14, 16 ca.16, 18, ca.18, 20,$ dan 22).

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Study of chromosome number on *Asteraceae* family that located in Universitas Indonesia has been conducted previously on 13 species from total 21 species in 2013 and 2015. This research was addressed to complete the data of chromosome number on 8 species of *Asteraceae* that located in Universitas Indonesia, but only 4 species of *Asteraceae* were successfully found. The study was held using orcein-*squash* modification method. The species that successfully found are *Blumea balsamifera* (tribe *Inuleae*), *Eclipta prostrata* (*tribe Heliantheae*), *Porophyllum ruderale* (*tribe Tageteae*), and *Youngia japonica* (*tribe Cichorieae*). Chromosome numbers of those species were known. They are *Blumea balsamifera* ($2n=12, 16,$ and 18), *Eclipta prostrata* ($2n=10, ca.11, 12, 14, ca.15, 16, ca.17, 18, 20,$ and 22), *Porophyllum ruderale* ($2n=ca.18, 20, ca.22, 24, 26, 28, 0, 32, 34, ca.36,$ and 38), and *Youngia japonica* ($2n= 8, 10, 12, 14, ca.14, 16 ca.16, 18, ca.18, 20,$ and 22).