

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

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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* ($2n=12, 16, \text{ dan } 18$), *Eclipta prostrata* ($2n=10, \text{ ca.}11, 12, 14, \text{ ca.}15, 16, \text{ ca.}17, 18, 20, \text{ dan } 22$), *Porophyllum ruderale* ($2n=\text{ca.}18, 20, \text{ ca.}22, 24, 26, 28, 0, 32, 34, \text{ ca.}36, \text{ dan } 38$), dan *Youngia japonica* ($2n= 8, 10, 12, 14, \text{ ca.}14, 16 \text{ ca.}16, 18, \text{ ca.}18, 20, \text{ dan } 22$).

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