TAXONOMY AND PHYLOGENETIC CLASSIFICATION OF
SUREGADA ROXB. EX ROTTL. (EUPHORBIACEAE)
IN MALESIA

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ABSTRACT

The investigation on the taxonomy and phylogenetic classification of Malesian species of *Suregada* was based on morphological and anatomical observation of about 200 specimens in Herbarium Bogoriense. The result shows that there are nine species with one variety can be recognized. They are *Suregada angustifolia*, *S. borneensis*, *S. calcicola*, *S. glomerulata*, *S. multiflora*, *S. oxyphylla*, *S. racemulosa*, *S. spicata*, *S. stenophylla* and 1 variety *S. multiflora* (*S. multiflora* var. *lamellata*).

Cladistic analysis by Hennig'86 program based on morphological data shows that there one group was resulted. This group consists of *Suregada calcicola*, *S. oxyphylla*, *S. stenophylla*, *S. borneensis*, *S. spicata*, *S. glomerulata*, *S. angustifolia*, *S. racemulosa*, *S. multiflora* and *S. multiflora* var. *lamellata*. *S. calcicola* is separated from the others. Meanwhile, *S. oxyphylla*, *S. stenophylla*, *S. borneensis*, *S. spicata*, *S. glomerulata*, *S. multiflora* and *S. multiflora* var. *lamellata* are joined in one group. *S. borneensis* is very closely related to *S. spicata*; *S. glomerulata*, *S. multiflora* and *S. multiflora* var. *lamellata* are joined in one group and *S. multiflora* is very closely related to his variety (*S. multiflora* var. *lamellata*).
RINGKASAN

Penelitian taksonomi dan klasifikasi filogenetik marga *Suregada* di Malesia didasarkan pada pengamatan morfologi dan anatomii dari kurang lebih 200 spesimen di Herbarium Bogoriense.

Berdasarkan hasil penelitian diperoleh 9 species dan 1 varietas yaitu: *Suregada angustifolia*, *S. borneensis*, *S. calcicola*, *S. glomerulata*, *S. multiflora*, *S. oxyphylla*, *S. racemulosa*, *S. spicata*, *S. stenophylla* dan 1 varietas *S. multiflora* (S. multiflora var. lamellata).

Analisis kladistik data morfologi dengan menggunakan program HENNIG '86 menghasilkan 1 kelompok species yaitu *Suregada. calcicola*, *S. oxyphylla*, *S. stenophylla*, *S. borneensis*, *S. spicata*, *S. glomerulata*, *S. angustifolia*, *S. racemulosa*, *S. multiflora* dan varietasnya *S. multiflora* var. *lamellata*. *S. calcicola* merupakan species yang terpisah dari species yang lain. Sedangkan *S. oxyphylla*, *S. stenophylla*, *S. borneensis*, *S. spicata*, *S. glomerulata*, *S. angustifolia*, *S. racemulosa*, *S. multiflora* dan varietasnya *S. multiflora* var. *lamellata* bergabung dalam satu kelompok. Namun, *S. borneensis* lebih berkerabat dekat dengan *S. spicata*; *S. glomerulata*, *S. angustifolia*, *S. racemulosa*, *S. multiflora*, dan varietasnya *S. multiflora* var. *lamellata* merupakan kelompok species yang saling berkerabat dan *S. multiflora* lebih berkerabat dekat dengan varietasnya (*Suregada multiflora* var. *lamellata*).
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CURRICULUM VITAE

Maria Teresia Danong was born in Mbarungkali – Ngada – Flores on August 17, 1966, the first daughter from five brothers from father Dominikus Tanggel and mother Petronela Ngezok.

She passed her Elementary School in 1980, Junior High School (SMPK Regina Pacis Bajawa – Flores) in 1983, and Senior High School (SMAN 435 Bajawa – Flores) in 1986. She was graduate from The Faculty of Teacher Training and Education in Nusa Cendana Kupang in 1991.

In 1993, she started working in University of Nusa Cendana Kupang as an Lecturer. Since 1998, she received scholarship program from DUE to continue study on Biology program, sub Program Plant Taxonomy at Post Graduate Program of Bogor Institute of Agriculture.
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TABLE OF CONTENTS

FRONT PAGE i
ABSTRACT ii
RINGKASAN iii
LEGALIZATION v
CURRICULUM VITAE vi
ACKNOWLEDGEMENTS vii
TABLE OF CONTENTS ix
LIST OF FIGURE x
LIST OF TABLE xi
INTRODUCTION 1
METHODE OF RESEARCH 3
RESULT AND DISCUSSION 4
I. Morphological characters 4
II. Anatomical characters 8
III. Distribution 9
IV. Generic description 11
V. Key to the species 15
VI. Species description 16
   VI.1 Suregada angustifolia 16
   VI.2 Suregada borneensis 18
   VI.3 Suregada calcicola 21
   VI.4 Suregada glomerulata 22
   VI.5 Suregada multiflora 22
   VI.5.a. var. multiflora 34
   VI.5.b. var. lamellata 36
   VI.6 Suregada oxyphylla 38
   VI.7 Suregada racemulosa 40
   VI.8 Suregada spicata 43
   VI.9 Suregada stenophylla 48
VII. Phylogenetic analysis 51
CONCLUSION 57
REFERENCES 58
APPENDIX 61
LIST OF FIGURE

Figure 1 Leaf margin 5
Figure 2 Inflorescences shape 7
Figure 3 Staminate and pistillate flowers 7
Figure 4 Sepal of staminate flowers 8
Figure 5 Distribution map of Suregada 14
Figure 6 The diagram of Suregada angustifolia (Mull.Arg.) Airy Shaw 17
Figure 7 The leaf anatomy of Suregada angustifolia (Mull.Arg.) Airy Shaw 18
Figure 8 The diagram of Suregada borneensis (Pax & Hoffm.) Croizat 20
Figure 9 The leaf anatomy of Suregada borneensis (Pax & Hoffm.) Croizat 21
Figure 10 The diagram of Suregada glomerulata (Blume) Baill. 30
Figure 11 The plant parts and the leaf anatomy of Suregada glomerulata (Blume) Baill. 31
Figure 12 The diagram of Suregada multiflora (A. Juss.) Baill. 37
Figure 13 The leaf anatomy of Suregada multiflora (A. Juss.) Baill. 38
Figure 14 The diagram of Suregada oxyphylla (Miq.) Kuntze 39
Figure 15 The leaf anatomy of Suregada oxyphylla (Miq.) Kuntze 40
Figure 16 The diagram of Suregada racemulosa (Merr.) Croizat 42
Figure 17 The leaf anatomy of Suregada racemulosa (Merr.) Croizat 43
Figure 18 The diagram of Suregada spicata (Blume) Baill. 47
Figure 19 The leaf anatomy of Suregada spicata (Blume) Baill. 48
Figure 20 The diagram of Suregada stenophylla (Merr.) Croizat 50
Figure 21 The cladogram of Suregada after analyzed by HENNIG’86 53