Short Note

*Didymoplexis flexipes* J.J. Sm. (Orchidaceae), A New Record for Thailand

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An addition to the orchid flora of Thailand, *Didymoplexis flexipes* J.J. Sm., is a newly recorded species for Thailand. This species as found in Thailand is described and illustrated.

The genus *Didymoplexis* Griff. (Orchidaceae) is comprised of 12 species which are widely distributed from tropical South Africa and Madagascar to the Pacific1. All species of the genus are mycotrophic herbs, growing among accumulations of leaf litter or at the base of large clumps of grasses. They have been collected from sea level to approximately 1,000 m. altitude. Several species from Java appear to be most common in bamboo forest2. Previously, Seidenfaden (1978)3 reported only one species of *Didymoplexis* in Thailand, namely *D. pallens* Griff. During a botanical trip to Khao Nan National Park, Nakhorn Si Thammarat Province, Peninsular Thailand, in May 2006, *D. flexipes* was found which is a new species record for Thailand.

The present study is based on specimens collected from Khao Nan National Park, Nakhorn Si Thammarat Province, Peninsular Thailand (CK-KNP 070, BCU). Determinations were made using the key to species of *Didymoplexis* in Smith (1921)4 and Comber (1990).

The morphological characters of the *Didymoplexis* specimen (CK-KNP 070, BCU) matched well with the key and description of *D. flexipes* J.J. Sm. in Smith (1921) and Comber (1990). Accordingly, *D. flexipes* J.J. Sm. is a new record for Thailand. The description below is based on the Thai materials. A key to the species of the genus *Didymoplexis* in Thailand is suggested below.

**Key to the species**

1. Lip with yellow band and callus along the middle part; margins of lip entire; claw of lip indistinct......... *D. pallens*

1. Lip without yellow band and callus along the middle part; margins of lip slightly erose; claw of lip distinct, with small bilobed appendage...... *D. flexipes*

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FIGURE 1. *Didymoplexis flexipes* J.J.Sm.: A. habit; B-C. flowers, B. front view, C. side view; D. flower without lateral sepals; E. dorsal sepal connate with petals; F. lateral sepals; G. column; H. column with lip; I. lip. Drawn by Sahut Chantanaorrapint from CK-KNP 070 (BCU).
**Didymoplexis flexipes** J.J. Sm.

Figure 1.


*Plant* terrestrial, mycotrophic. *Rhizome* fleshy, irregularly cylindrical to fusiform tubers, ca. 3.5 cm long, 0.2–0.6 cm diam. *Inflorescence* erect, to 12 cm tall, bearing few flowers opening successively, only one flower at a time; scape gray, fleshy. *Bract* ovate-triangular, 1.5–3.0 mm long, apex acute. Pedicels slender, ca. 0.5 cm long. *Flower* whitish-brown, ca. 1.3 cm long including ovary. Sepals and petals connate, forming a bilabiata appearance; upper half subquadrate, slightly hooded, formed from the connation between petals and dorsal sepal; apex 3–lobed, lobe ca. 1.5 mm long; lower half oblong-orbicular, deeply split from the upper half, apex deeply bilobed, rounded, each lobe ca. 2.5 mm long, slightly overlapping, basal part more or less gibbous. Lip white, subquadranular ca. 4 mm long, 6 mm broad, attached at column foot; apex truncate, slightly recurved, lateral margin faintly erosed; base with short claw and small bilobed appendage. Column slightly curved, slender, ca. 0.4 cm long, without wing. Anther cap cucullate, smooth. Pollinia coarsely granulate. Stigma rounded. Fruit not seen.

Thailand.– Peninsular: Nakhon Si Thammarat [Khao Nan National Park, CK-KNP 070 (BCU)].

Distribution.– Indonesia (West Java), Thailand (Peninsular).

Ecology.– Growing on humus, under shade of mossy forest, ca. 1,200 m altitude. Flowering in May.

Note.– *Didymoplexis flexipes* has previously been reported only from Java in Indonesia\(^2,4\). This species is distinct from other species of *Didymoplexis* in having a small bilobed appendage on the claw of lip, and the margin of lip all rounded and faintly erose.

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**LITERATURE CITED**


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