

**Species composition and above ground biomass of a pine forest at Bodogol,  
Gunung Gede Pangrango National Park, West Java**

**Abstract**

Species Composition and Above Ground Biomass (AGB) of a pine forest at Bodogol in Gunung Gede Pangrango National Park (GGPNP) was conducted over three years. A 2 permanent plot of 200 x 50m was established and was then divided into 100 subplots sized 10 x 10 m<sup>2</sup>. The highest Important Value was reached for Tusam (*Pinus merkusii*) with IV=140.9, followed by *Calliandra calothyrsus* (94.4) and *Piper aduncum* (28.9). In contrast, the Relative Growth Rate of *C. calothyrsus* was highest compared to other dominant trees. The number was highly contributed by a class distribution of less than 10 cm, generally filled by other species except pine trees, that were found on class distribution of more or equal to 30 cm. The changes of AGB ranged -1 from 247.2 to 328.6 ton ha<sup>-1</sup>, and the trend of increasing AGB may be attributed to the growth of pine trees. However, it showed that there are significant differences between 2009 and 2010 - 2011 (one way ANOVA,  $P < 0.05$ )