

akar (Pinkerton & Simpson, 1986; Alam, 1999). Penggunaan pupuk pada kondisi kandungan air tanah berkurang tajam sangat perlu dipertimbangkan, karena memerlukan penggunaan air yang relatif banyak khususnya pada awal pertumbuhan tanaman (fase semai) (Hu & Schmidhalter (2005).

KESIMPULAN

Semai kakao umur 12 bulan yang ditanam pada kandungan air tanah berbeda menunjukkan perbedaan dalam Specific Leaf Area, trikوماتa dan kandungan K⁺ daunnya. Kondisi optimum untuk pertumbuhan semai adalah bila ditanam pada kandungan air tanah 75%, sedangkan pada kandungan air tanah 50% mulai terjadi penurunan pertumbuhan dengan menurunnya nilai SLA daun dan tidak berkembangnya trikوماتa dan pertumbuhan semakin menurun tajam pada kandungan air tanah 25%.

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