

## Ciri kimia tanah dan bobot kering beberapa jenis tanaman pupuk hijau dengan pemberian kapur pada tanah masam

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### Abstrak

This research was conducted in green house and soil laboratory, faculty of agriculture, Andalas University. The research aim to study the effect of lime addition in acid soil to chemical characteristic of soil and dry weight of green manure crops. The experimental with completely Randomized Design for factorial 7x2 were used. The first factor was green manure crops, consists of seven levels (*Caliandra tetragona*, *Flemingia congesta*, *gliricidia sepium*, *Leucaena leucocephala*, *Leucaena glauca*, *Sesbania rostrata*, *sesbania sesban*) and second factor was lime addition, consists of two levels (Without of lime and 1x Al-dd). The result of research indicates that : (1) The liming can increase pH value from very acid (pH 4,45) to slightly acid (pH 5,60), decrease Al-dd content from 2,61 cmol/kg to 1,12 cmol/kg (57,09%), decrease Al saturation from 74,78 % to 49,12% (34,31 %); (2) The highest dry weight at cutting I was *Sesbania sesban* with liming 1 x Al - dd (26,39 g/pot); cutting II was *Gliricidia sepium* with liming (24,40 g/pot); cutting III was *Giricidia sepium* with liming (17,90 g/pot), and cutting IV was *Flemingia congesta* with liming (29,66 g/pot).