



Matrix perbandingan kriteria

	C1	C2	C3	C4			C1	C2	C3	C4			C1	C2	C3	C4
C1	1	5	2	3		C1	1	5	2	3		C1	1	5	2	3
C2	0	1	3	7	=	C2	$\frac{1}{5}$	1	3	7	=	C2	0.20	1	3	7
C3	0	0	1	3		C3	$\frac{1}{2}$	$\frac{1}{3}$	1	3		C3	0.5	0.33	1	3
C4	0	0	0	1		C4	$\frac{1}{3}$	$\frac{1}{7}$	$\frac{1}{3}$	1		C4	0.33	0.14	0.33	1
													2.03	6.47	6.33	14 Total

### Hasil Normalisasi

	C1	C2	C3	C4	P. Value	Bobot
C1	0,492	0,772	0,315	0,215	1,793	0,448
C2	0,098	0,164	0,473	0,5	1,225	0,306
C3	0,246	0,051	0,157	0,214	0,668	0,167
C4	0,162	0,021	0,062	0,021	0,306	0,076

**Eigen Value**

$0,448 \times 2,03 = 0,909$

$0,306 \times 6,47 = 1,979$

$0,167 \times 6,33 = 1,057$

$0,076 \times 14 = 1,064$

$\frac{1,064}{25,009} = 4$

**Consistency Index**

$= \frac{\text{Eigen Value} - n}{(n - 1)}$

$= \frac{(5,009 - 4)}{4 - 1}$

$= \frac{1,009}{3}$

$$= 0,336$$

① Consistency Ratio

Consistency Ratio		Bobot alternatif dikalikan bobot normalisasi kriteria										
$\frac{CI}{RI}$		$C_1$	$C_2$	$C_3$	$C_4$		$C_1$	$C_2$	$C_3$	$C_4$	total score	
$\frac{0,336}{0,9}$		A1	3	3	2	2	A1	1,344	5,918	0,334	0,157	2,748
		A2	5	3	2	2	A2	2,24	0,918	0,334	0,152	3,644
		A3	1	1	3	1	A3	0,448	0,306	0,501	0,078	1,331
		A4	2	1	3	1	A4	0,896	0,306	0,501	0,078	1,779

Hasil Diatas menunjukkan bahwa tanaman Bambu Kuning sebesar = 3,644 mempunyai nilai tertinggi, sehingga menjadi alternatif terpilih.