

BAB V

KESIMPULAN

1. Pelarut yang menghasilkan kadar tanin dalam ekstrak yang paling tinggi adalah etanol 80% (kadar tanin=5,52%).
2. Rasio massa daun jambu biji:pelarut (m/v) yang menghasilkan kadar tanin dalam ekstrak yang paling tinggi adalah 30:300 (m/v) (kadar tanin=5,52%).
3. Konsentrasi awal ion Cr(VI) dengan persen removal terbesar adalah 84,53 ppm dengan persen removal 97,37%.
4. Persamaan yang cocok untuk isoterm ion Cr(VI) menggunakan TBA dari daun jambu biji adalah persamaan Freundlich sebagai berikut :
dengan nilai R^2 sebesar 0,9703.

$$q_e = 34,11 \times C_e^{1/4,6} \text{ dengan } R^2 = 0,9703.$$

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