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# THE STUDY ON PROPAGATION *AFZELIA XYLOCARPA* (KURZ) CRAIB FROM SEED

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## SUMMARY

*Afzelia xylocarpa* (Kurz) Craib is a high economic value woody plant due to its good wood, durable and beautifully patterned and well tolerated by the environment. This paper presents some results of propagation of *Afzelia xylocarpa* from seed at nursery. The *Afzelia xylocarpa* of bean after harvested were cleaned, checked for purity, treated for pathogens, grinded edge of seed coat, then immersed in water for 12 hours with different temperatures. The treatment with warm water (2 boil 3 cold) made the best seed germination (97.7%), the germination rate was 34.3%. Different shading formulas significantly affected the growth parameters. The formula of 50% shading showed the best value with survival rates was 95.2%, root diameter growth and tree height were 1.19 cm; 44.79 cm, respectively. Different shading formulas also significantly affected the growth parameters. The formula of 60 g NPK/2 lit/100 gourd seedling used for 50% shading has the survival rate of 94.57%, root diameter growth and tree height were 1.38 cm; 47.32 cm, respectively. The seed propagation techniques can be used to produce high quality seedlings for conservation and development of precious genetic resources.

**Keywords:** *Afzelia xylocarpa*, germination, propagation.

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