

**Elucidation of melanin pigment production from a promising locally
isolated halotolerant black yeast *Hortaea werneckii* AS1**

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Supplementary material



Figure 1. (a) Isolate AS1 black colonies on Sabouraud dextrose agar prepared with sea water and (b) extracted melanin

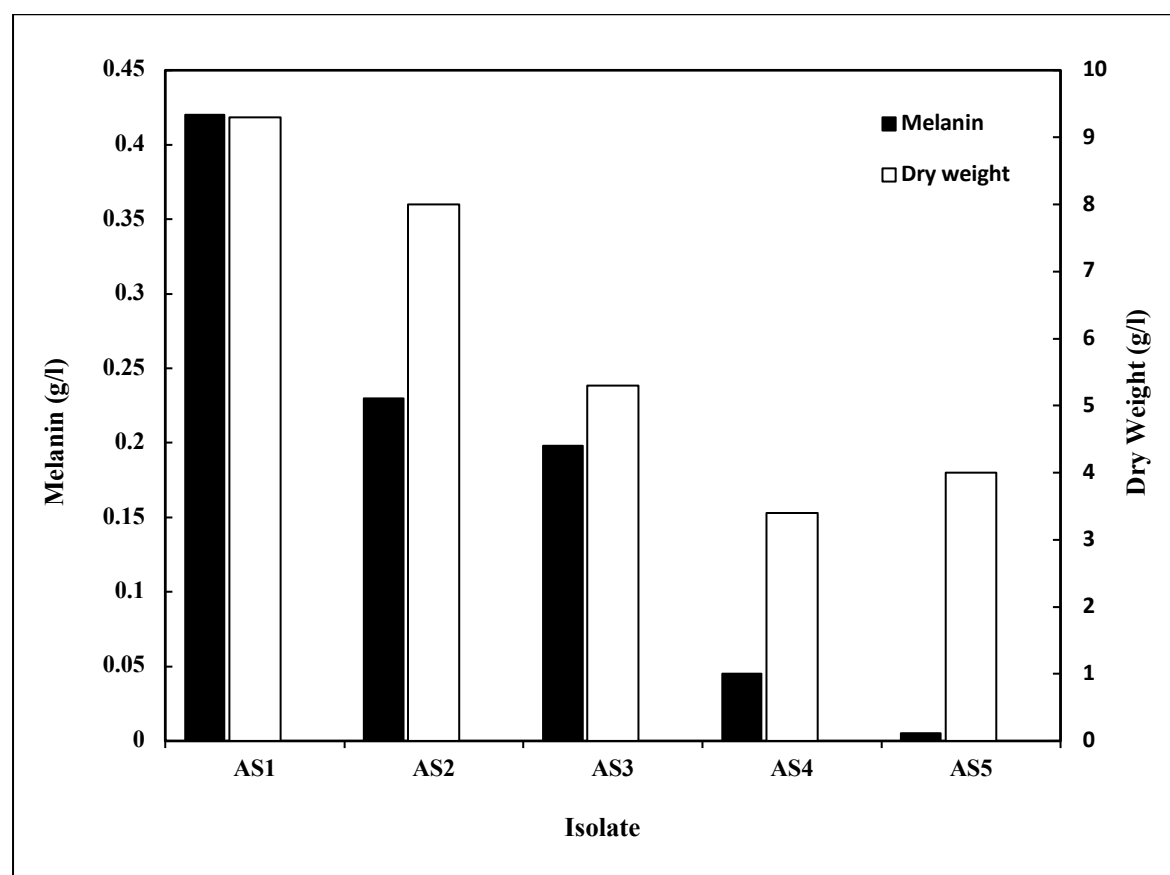


Figure 2. Biomass and melanin yield between of the isolated black yeasts.

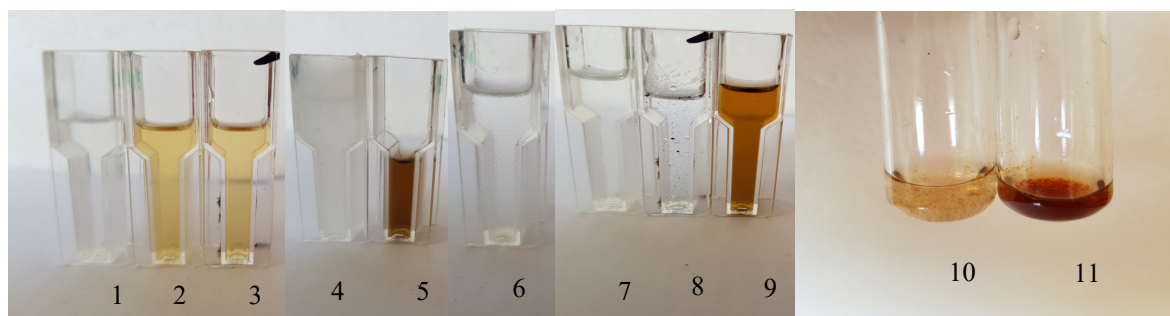


Figure 3. Solubility characteristics of extracted pigment from *H. werneckii* AS1. (1) Water, (2) ethanol, (3) methanol, (4) butanol, (5) DMSO, (6) chloroform, (7) ethyl acetate, (8) hexane, (9) 1N NaOH, (10) decolorization by H_2O_2 and (11) Brown flocculent precipitate with $FeCl_3$.

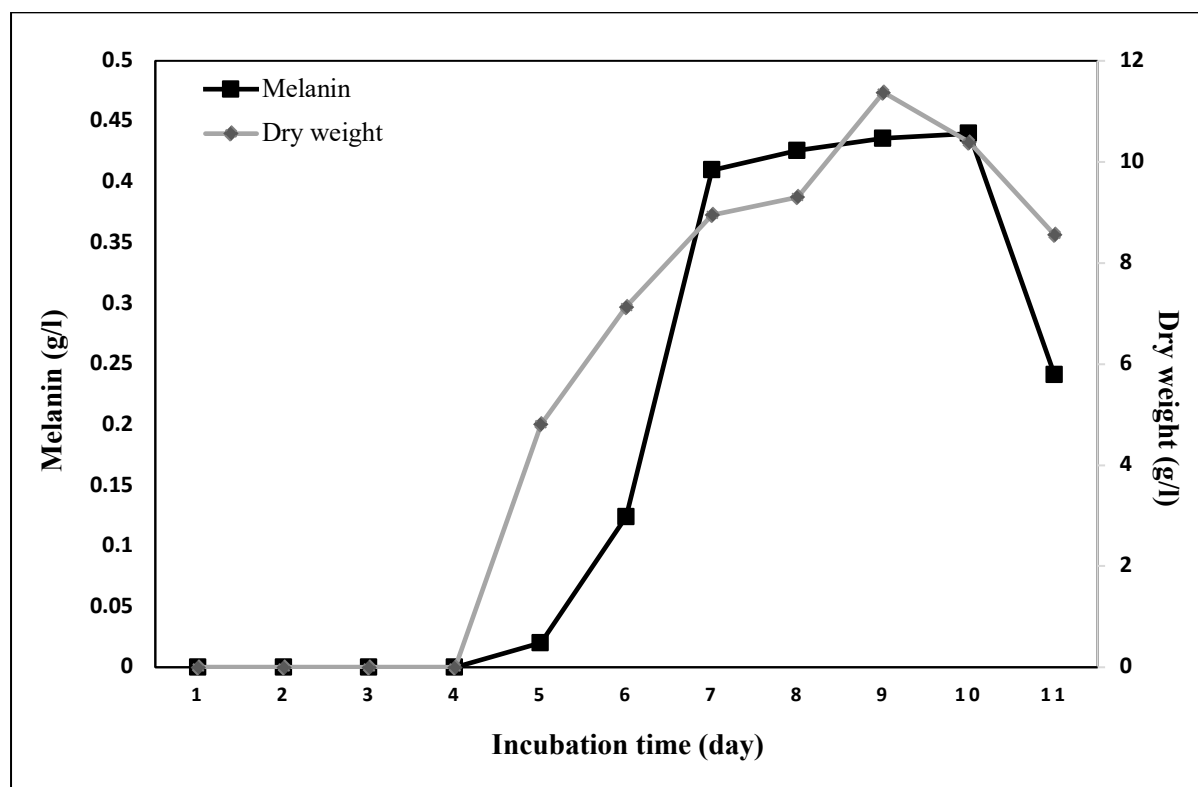


Figure 4. Effect of incubation time on melanin production and dry weight of *H. werneckii* AS1 incubated at 30°C and 180 rpm.

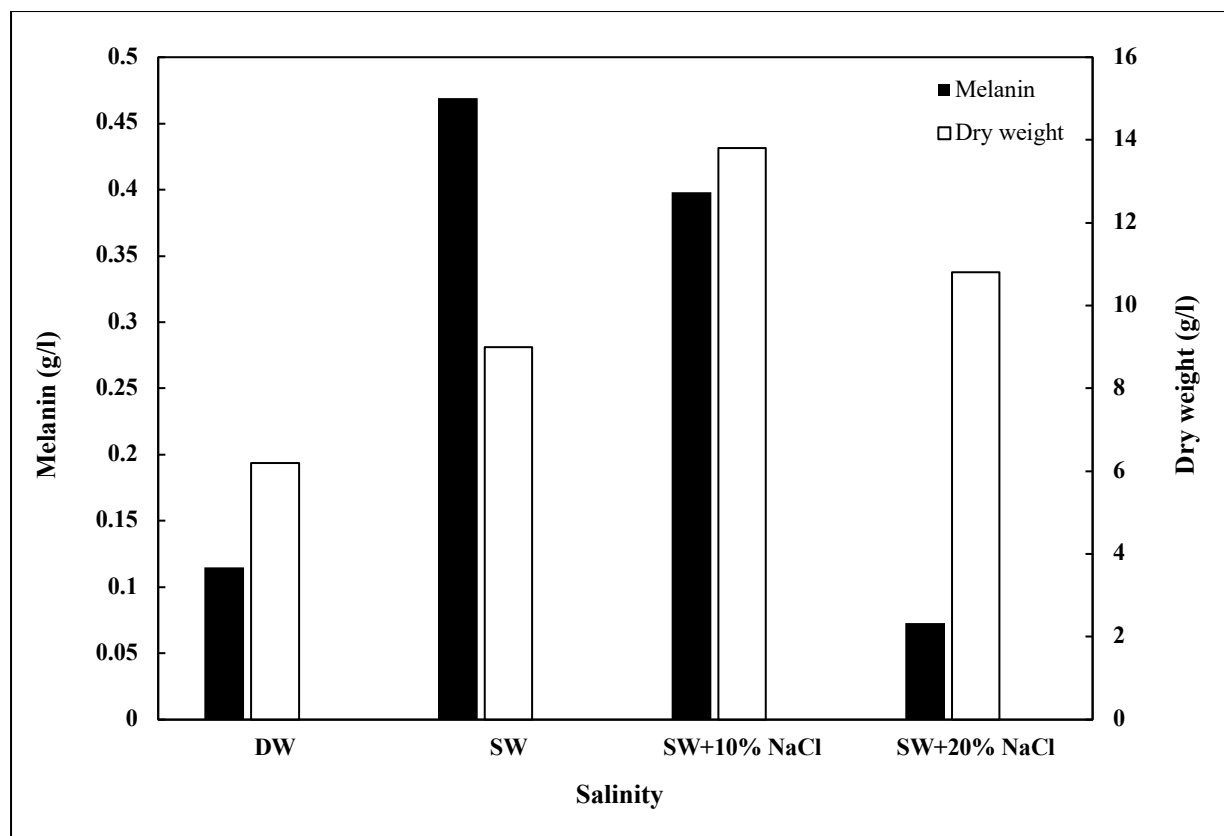


Figure 5. Effect of salinity on melanin production and dry weight of *H. werneckii* AS1 incubated for 10 days at 30°C and 180 rpm.