

ABSTRACT

EFFECT OF VARIETY FROM BENZYL ADENINE (BA) CONCENTRATE AND NAPHTHALENE ACETIC ACID(NAA) CONCENTRATE TO EXCESSIVE OF MICROBUD FROM CASSAVA (*Manihot esculenta* Crantz) BY USING IN VITRO

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Excessiving a cassava usually using convetional method by using 3 grain cutting to 5 grain cutting. For make it efficien in excessive, its need a method with usng cutting plant from aksilar bud from cassava by added the variety of Benzyl Adenine concentrate and Naphthalene Acetic Acid (NAA) concentrate by using in vitro.

The main purpose of this research are knowing the effect of variety Benzyl Adenine concentrate and Naphthalene Acetic Acid (NAA) concentrate about growth and excessive of cassava's bud by using in vitro. This research have been done in Plant Tissue Laboratory, Agriculture Faculty, University of Lampung, started from September 2011 to December 2011. This research used complete factorial random design with two treatment factor. The first factor was applicated of Benzyl Adenine (BA) with three degree, it were : 0,2 mg/l(B₁); 0,4 mg/l(B₂); 0,8 mg/l (B₃), and the second factor were the variant concentrate of Naphthalene Acetic Acid (NAA) , it were : 0 (N₀); dan 0,1 mg/L (N₁). The result showed that on Benzil Adenin (BA) cultur affected on bud length, but it wasn't affected real on the number of fresh leaves and the number of grain. The additioned of NAA affected real on number of fresh leaves, but it wasn't affected real on bud length variable and number of grain. The combination between aplicated of Benzyl Adenine (BAA) and added of Naphthalene Acetic Acid (NAA) weren't showed the real affected to all of observation variables. On the single sub cultur aplicated of Benzyl Adenine (BA), it was affected real to all of observation variables. Additioned of Naphthalene Acetic Acid (NAA) to the media showed the real affetioned to all of observation variables. The combination between aplicated of Benzil Adenin (BAA) by additioned of Naphthalene Acetic Acid (NAA) were showed the real affected to all of observation variables

Key words: Micro Bud, Benzyl adenine (BA), Naphthalene Acetic Acid (NAA), cassava