

Pengaruh metode preparasi dan isolasi terhadap pengukuran kadar kalsium udang kering air laut (*metapenaeus sp.*) = Preparation and isolation methods influence on calcium level measurement in sea water dried shrimps (*metapenaeus sp.*).

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Abstrak

[Ebi merupakan udang kering berukuran kecil yang dapat dikonsumsi secara keseluruhan. Ebi diduga memiliki kadar kalsium tinggi meski belum ada penelitian spesifik pada genus tertentu. Penelitian ini bertujuan mengetahui kadar kalsium pada *Metapenaeus sp.* secara akurat serta menganalisis pengaruh metode preparasi (oven dan non oven) dan metode isolasi (pengocokan, digesti asam, dan pengabuan) terhadap pengukuran dengan ISE dan AAS. Hasil pengukuran didapatkan kadar kalsium tertinggi 6.769 ppm (oven) dan 7.785 ppm (non oven) dengan isolasi terbaik adalah digesti asam. Terdapat perbedaan serta korelasi kadar kalsium antar metode preparasi dan isolasi, sehingga disimpulkan kedua metode berpengaruh terhadap pengukuran kadar kalsium ebi.;Ebi is dried small sized shrimp consumed as a whole. Ebi is assumed to have high calcium level even there has been no research on specific genus yet. This research aimed to know exact calcium level in *Metapenaeus sp.*, analyze the influence of preparation (oven and non oven) and isolation (dilution, acid digestion, and dry ashing) methods toward ISE and AAS measurement. Results showed highest calcium level 6,769ppm (oven) and 7,785ppm (non oven) with acid digestion as best isolation method. There were differences and correlation among preparation and isolation methods; and concluded both methods influenced calcium level measurement in ebi., Ebi is dried small sized shrimp consumed as a whole. Ebi is assumed to have high calcium level even there has been no research on specific genus yet. This research aimed to know exact calcium level in *Metapenaeus sp.*, analyze the influence of preparation (oven and non oven) and isolation (dilution, acid digestion, and dry ashing) methods toward ISE and AAS measurement. Results showed highest calcium level 6,769ppm (oven) and 7,785ppm (non oven) with acid digestion as best isolation method. There were differences and correlation among preparation and isolation methods; and concluded both methods influenced calcium level measurement in ebi.]