

INTISARI

Gangguan Akibat Kekurangan Iodium (GAKI) masih merupakan salah satu masalah gizi utama yang belum dapat ditanggulangi hingga saat ini. Salah satu upaya penanggulangan GAKI adalah iodisasi garam. Penelitian ini bertujuan untuk mengetahui rata-rata kadar kalium iodat (KIO_3) dan air dalam sampel garam briket yang beredar di pasar-pasar tradisional di kota Yogyakarta; dan kesesuaian hasil penelitian dengan SNI. Dalam SNI No. 01-3556-2000 tentang garam beriodium mencantumkan bahwa kadar iodium adalah minimal 30 ppm KIO_3 dan kadar air maksimal 7%.

Penelitian ini merupakan penelitian non eksperimental menggunakan metode titrasi iodometri dan Karl Fischer. Hasil penelitian menunjukkan kadar rata-rata KIO_3 dalam sampel merk RM, KN, GDD, NN dan KS adalah 15,586 ppm, 4,96 ppm, 7,964 ppm, 36,059 ppm dan 33,406 ppm; 3 merk sampel tidak sesuai dan 2 merk sampel sesuai dengan persyaratan SNI; hasil rata-rata kadar air dalam sampel merk RM, KN, GDD, NN dan KS adalah 4,556%, 3,230%, 4,614%, 3,508% dan 2,824%; semua merk sampel sesuai dengan persyaratan SNI.

Kata kunci: kadar kalium iodat, kadar air, garam briket

PLAGIAT MERUPAKAN TINDAKAN TIDAK TERPUJI

ABSTRACT

Iodine deficiency disorders (IDD) is one of main nutrition problems which cannot be overcome until now. One of efforts to overcome IDD is salt iodination. This research wants to know the potassium iodate and water mean measure in brick salt which sold in traditional markets in Yogyakarta City; conformity of research result with INS. In Indonesian National Standard (INS) Number 01-3556-2000 about iodine salt, mentions that iodine measure is minimum 30 ppm KIO_3 and water measure is maximum 7%.

This research is a non experimental by using iodometry titration and Karl Fischer methods. The potassium iodate mean measure in sample RM, KN, GDD, NN dan KS trademark was 15,586 ppm, 4,96 ppm, 7,964 ppm, 36,059 ppm dan 33,406 ppm; three samples trademark was not conform and two samples trademark was conform with INS; water mean measure in sample RM, KN, GDD, NN dan KS trademark was 4,556%, 3,230%, 4,614%, 3,508% dan 2,824%; all the sample trademark was conform with INS.

Key words: potassium iodate measure, water measure, brick salt