

ABSTRACT

The study conducted on domestic solid waste (DSW) production and management in the Bisapug community (rural area) shows that the average amount of DSW generated by every household is around 1.48 kg per day or 45.9 kg per month in which each person generates around 0.30 kg of DSW per day. This figure is lesser in amount as compared to DSW generated in the urban area, e.g. 0.5 and 0.6 kg per day per person in Kuching and Selangor. With the estimated total population of 3,718 people staying in the study area, it is expected not less than 1,115.4 kg or 1.1 tonnes of DSW is generated daily. This figure contributes approximately 0.24 % of the total amount of municipal solid waste (MSW) (414.2 tonnes) received per day by the Kuching Integrated Waste Management Park (KIWMP) which is under the management of Trienekens (Sarawak) Sdn Bhd. The common types of DSW recycled in the study area are glass, metal aluminium, plastic and paper. The analysis result indicates 84 % of the villagers are aware of recycling activities and 75 % of them do carry out recycling activities. About 68 % of the respondents are not satisfied with rubbish bin provided by the waste operator. While, 80 % of them are satisfied with the collection service provided by the waste operator as it have been much improved after privatization of the collection service in term of punctuality collection and collection equipment used.

ABSTRAK

Hasil kajian yang dijalankan terhadap penjanaaan dan pengurusan sisa pepejal domestic (SPD) di kawasan masyarakat Bisapug (kawasan luar Bandar) mendapati bahawa purata kandungan SPD yang dijana oleh setiap keluarga ialah 1.48 kg sehari yang mana setiap orang menjana SPD sebanyak 0.30 kg sehari. Angka ini adalah lebih rendah jika dibandingkan dengan SPD yang dijana di kawasan bandar, contohnya, 0.5 dan 0.6 kg sehari setiap orang di Kuching dan Selangor. Dengan anggaran penduduk yang tinggal di kawasan kajian sebanyak 3,718 orang, dijangka tidak kurang daripada 1,115.4 kg atau 1.1 tan SPD dijana setiap hari. Angka ini menyumbang sebanyak 0.24 % daripada jumlah sisa pepejal perbandaran (SPP) (414.2 tan) yang diterima setiap hari oleh Kuching Integrated Waste Management Park (KIWMP) yang diuruskan oleh pihak Trinekens (Sarawak) Sdn Bhd. Jenis SPD yang paling selalu dikitar-semula ialah kaca, besi, aluminium, plastic dan kertas. Hasil analisa menunjukkan bahawa 84 % daripada para penduduk kampung sedar akan aktiviti-aktiviti kitar-semula dan 75 % daripada mereka menjalankan aktiviti kitar-semula. Hasil kajian menunjukkan sebanyak 68% responden yang ditemuramah tidak berpuas hati terhadap perkhidmatan tong sampah yang diberikan oleh pihak pengurus sampah. Manakala, sebanyak 80 % daripada mereka berpuas hati terhadap perkhidmatan pemungutan SPD yang disediakan oleh pihak pengurus sampah.