

BAB V PENUTUP

A. Kesimpulan

Berdasarkan proses perancangan *toolkit carrier* ergonomis untuk mendukung aktivitas pekerjaan *home service pet groomer* berusia 29-35 tahun menggunakan metode desain *user-centered design* yang mencakup wawancara, observasi, hingga uji coba *prototype* dengan beberapa *home service pet groomer* di Daerah Istimewa Yogyakarta, dapat disimpulkan bahwa rancangan *toolkit carrier* dalam bentuk tas ransel yang terbuat dari bahan berlapis material kebal air dengan penekanan ergonomis pada struktur *carrier* dan *strap* atau tali, serta efisiensi akses peralatan pada proses *pet grooming* dapat menjadi salah satu solusi alternatif dalam memenuhi kebutuhan *home service pet groomer* akan produk yang dapat membawa peralatan dan bahan-bahan *pet grooming* dengan aman, nyaman dan efisien dalam menjalankan layanan *pet grooming* di rumah klien. Berdasarkan hasil perancangan dan temuan dari uji coba *prototype toolkit carrier* ergonomis ini, juga dapat disimpulkan bahwa:

1. *Toolkit carrier* “*petipat.*” telah memenuhi kebutuhan dasar *pet groomer*, termasuk pemisahan peralatan elektronik dan bahan basah serta penyediaan saku dan sekat dalam ukuran beragam.
2. Performa fitur *waterproof* produk masih belum optimal, dengan penyerapan air paling banyak ditemukan pada bagian bawah kompartemen utama, saku kanan dan kiri, serta saku depan bawah, menjadikan produk bersifat *water-resistant*. Hal ini disebabkan oleh:
 - a. Sistem pengunci menggunakan *buckle* diletakkan pada bagian dalam penutup sekunder atas dan bawah tidak tertutup rapat dengan sempurna, sehingga tidak menutupi permukaan samping *carrier* dengan optimal, bahkan menggenang pada bagian dalam penutup sekunder *carrier*.
 - b. Penutup sekunder tidak dirancang untuk menutupi seluruh permukaan lantai kompartemen utama, menyebabkan kerentanan pada area tersebut untuk menyerap air dari lantai.

3. Kapasitas *carrier* sudah mencakup 66,7% (2 dari 3 *user* yang melakukan *user testing*) dari peralatan *pet groomer*, dengan catatan bahwa 1 dari 3 *user* menyimpan 1 pembersih vakum portabel yang relatif besar beserta dengan botol *shampoo* yang melebihi *groomer* lain (300ml, *groomer* lain 250ml), sehingga melebihi kapasitas efektif *carrier* “*petipat.*” yaitu 33-39L.
4. Desain *carrier* yang menggunakan warna gelap namun variatif (lebih dari 1 warna, sebagaimana digunakan *pet groomer* yang menjadi narasumber) serta mengadopsi bentuk tas ransel dinilai memuaskan oleh para *groomer*.
5. Penutup sekunder bawah *carrier* tidak menutup dengan rapat sempurna yang meningkatkan penyerapan air pada area tersebut, sehingga masih terdapat risiko kerusakan alat elektronik apabila terjadi situasi serupa dengan kondisi simulasi uji coba ketahanan air (seperti hujan deras).

B. Saran Perancangan

Berdasarkan hasil proses perancangan yang telah dilakukan, diperlukan saran untuk dijadikan acuan pengembangan baik penelitian maupun perancangan lebih lanjut, yang mana sebagai berikut:

1. Melakukan uji coba ketahanan air dengan metode yang lebih terstruktur dan komprehensif, mencakup berbagai kondisi paparan air selain semburan keras, untuk menghasilkan data yang lebih akurat.
2. Melakukan eksplorasi desain untuk memperbaiki kerenggangan yang timbul pada penutup sekunder bawah yang dapat mencegah terjadinya penggenangan air ketika *toolkit carrier* terpapar hujan.
3. Melakukan eksplorasi desain untuk meningkatkan kenyamanan bantalan punggung serta bahan keras pada lantai *toolkit carrier*, sehingga sesuai dengan saran yang diberikan oleh pengguna.
4. Mengeksplorasi desain atau melakukan penelitian pada aspek dan permasalahan eksternal *home service pet groomer* atau *pet groomer*, misalnya: sarung tangan untuk melindungi dari cakaran kucing, gunting yang digunakan untuk *grooming*, atau yang lainnya.

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