Investigasi Haptic: Interaksi Aktif Tubuh-Ruang dalam Haptic Space melalui Active Touch = Haptic Investigation: Active Body-Space Interaction within Haptic Space through Active Touch

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Abstrak

Skripsi ini bertujuan untuk mengetahui konstruksi pengalaman spasial berbasis active touch di dalam haptic space. Pembahasan mencakup bagaimana active touch melalui sensori taktil dan kinestetis yang diintegrasikan dengan visual beperan dalam pembentukan pengalaman spasial individu. Eksplorasi sensori yang terintegrasi terhadap variasi stimulus ruang menghasilkan interaktivitas dua arah yang meningkatkan engagement antara tubuh dengan ruang. Penggunaan elemen spasial kontras melalui spatial binary mengaktifkan pengalaman sensori yang menjembatani dunia fisik dengan materialitas digital, memicu sebuah attractions dan aversions di dalam haptic space bersama faktor immaterialitas material. Melalui observasi terhadap ruang interaktif, studi kasus dilakukan dengan menerjemahkan sensasi yang diterima sensori dari stimulus dalam haptic space melalui konsep spatial binary. Hasil penelusuran studi kasus menunjukkan bahwa penggunaan elemen spasial yang kontras pada spatial binary bersama faktor immaterialitas meningkatkan sensibilitas sensori terhadap stimulus pada ruang interaktif, menciptakan pengalaman menarik yang tidak bisa dicapai dalam dunia fisik sehingga memicu pergerakan eksploratif yang dinamis dan berkelanjutan melalui pemahaman individu terhadap attraction maupun aversions di dalam ruang haptic.

.....This study aims to explore the construction of spatial experiences based on active touch within haptic space. The discussion encompasses how active touch, through tactile and kinesthetic sensory inputs integrated with visual elements, plays a role in shaping an individual's spatial experience. Integrated sensory exploration of varied spatial stimuli generates two-way interactivity that enhances engagement between the body and space. The use of contrasting spatial elements through spatial binary activates sensory experiences that bridge the physical world with digital materiality, triggering attractions and aversions within the haptic space alongside the factor of material immateriality. Through observation of interactive spaces, a case study was conducted by interpreting sensations received by the sensory system from stimuli in the haptic space through the concept of spatial binary. The findings of the case study indicate that the use of contrasting spatial elements within the spatial binary, combined with material immateriality, enhances sensory sensitivity to stimuli in the interactive space, creating compelling experiences unattainable in the physical world. This, in turn, stimulates dynamic and continuous exploratory movements through individual comprehension of attractions and aversions within the haptic space.