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**Jitti Rakbud** (jtrmath@yahoo.com), Nakorn Pathom 73000, Thailand, and **Pachara Chaisuriya\*** (scpcs@mahidol.ac.th), Rama 6 Road, Bangkok, 10400, Thailand. *Schatten classes of Matrices in a Generalized  $\mathcal{B}(l_2)$ .*

In this paper, we give a generalization of the Banach space  $\mathcal{B}(l_2)$  of all bounded linear operators on  $l_2$ . Over this set, we define Schatten-type classes which is a generalization of the classical Schatten classes of matrices in  $\mathcal{B}(l_2)$ . We also obtain some results in our setting which are parallel to those in the classical one. (Received January 29, 2008)