

**TAKIPSILIM: COMPARATIVE ANALYSIS OF THE APPLICATIONS OF
BRISE-SOLEIL ON SELECTED BUILDINGS IN NCR
FROM 1950'S UP TO PRESENT TIME**

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ABSTRACT

The study was conducted from September 2017 to April 2018 at National Capital Region to to conduct a comparative analysis of brise-soleil used buildings established at NCR, during the 1950's to present time. Specifically, the study aims to: 1.To track down buildings that uses brise-soleil, and arranged them according to their date of erection; 2. to create a profile of brise-soleil according to their age, details, use, materials and efficacy; 3.to identify the different types of brise-soleil, create a study of their varieties;4. to analyze each brise-soleil through software under the digital environment created by the location from google earth, and the digital setting of sun path from PAG-ASA; 5. to create a timeline of brise-soleil that will show its evolution and the factors that affects its changes; and to create a comparison of the brise-soleil, distinguishing their similarities and differences, along with identification of the most efficient one.

The gathered data about the 20 selected buildings, 1 to 5 buildings per decade, from 1950 up to present. These were recreated in SketchUp and analyzed through the use of sun path analysis and curic sun analysis. The analysis was made during the summer solstice. The results were compared according to their orientations.

The 20 selected buildings with their brise-soleils were analyzed and the result was computed and graph for better understanding. Brise-soleil became part of the Philippine history at it became one of the ways by the Pilipino to express freedom. Also Pilipino became aware to the environment leed to the implementation of different rendition of brise-soleil.

In this study, the brise-soleil was effectively utilized in the buildings during the summer solstice except for the Abelardo Hall because of its orientation was due to south and it was not glared by the sun. The brise-soleil that the most effectively used was the horizontal type on northwest and southwest, and vertical style of brise-soleil on the northeast and southeast. In line with this, the researchers created a book entitled, "*Takipslim: Philippines' Rendition of Brise-soleil*". The book was filled with the information that the researchers had gathered and analyzed including the history of the buildings, architects, details of brise-soleil and the analyzation about it.

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