

## **Abstract**

Information systems using web-based client server devices used for data exchange with an alternate access. Exchange data in a restaurant information system uses two hardware that stands two different platforms and operates in a single system. Need for data handling in the exchange is necessary to ensure each order entry and exit can be understood by the user. Business process is done with the sliding window mechanism. Where this mechanism is removed from the method of data exchange network and flow control to maintain the data is not lost and damaged.

Sliding window mechanism was tested in the treatment of business processes in a restaurant application. Using frames and the sequence number in order penomeran each menu. Plus more usage flags to track the status status of the customer.

Problems encountered in the process of exchanging business data pertaining to the order menu is redundancy and consistency. The database can be solved by the use of a reliable DBMS. While the sliding window to handle the problem of redundancy and consistency in business process applications that are called back end component. Redundancy and consistency problems that occur in the Beck-and component is the problem of overlapping data exchange and the absence of direct regulation by the application. In the sliding window mechanism solved by the use of frames in its delivery and in the frame there are sequence number for orders numbering of menu. Fragment status is required if the order has been finished or or there is a demand for change. All cases are handled in business processes within applications.

Application of sliding window in the application can be used by adopting several components. Use window size is not used, the use of bits in the sequence number is used for sorting orders the menu. The sequencing using a sliding window mechanism affecting the business process in the implementation of the restaurant, so reservations can be on guard and menu remain consistent.

**Keywords:** Sliding window, client server, Beck-end component, redundancy, consistency