



Figure 2: Initialization key length 12-byte array

Table 9: Results of Testing for Jitter at 5 with interval 5s

Interval (s)	Transfer (KBytes)	Bandwidth (Kbps)	Jitter (ms)
0-1	31.6	517	8.4
2-Jan	45.9	753	8.4
3-Feb	43.1	753	6.8
4-Mar	45.9	753	6.8
5-Apr	41.6	588	7.5

speeds 1,05 mbit / sec. Show in Table 8, Table 9, Table 10.

From the above table jitter values obtained varied with an average value of 5.2 ms jitter, resulting in a degradation categories are included in the category is good (Peak Jitter 75 ms), if the jitter value is more smaller then the result is better but if more higer than the value the result is poor for the internet network QoS.

5 ANALYSIS QOS INTERNET NETWORK

5.1 Bandwidth

Methods of QoS in the LAN network STIK Bina Husaha Palembang to the parameters Bandwidth is the traffic control network bandwidth of the Internet by doing a simple queue management method based mikrotik router. The method is very easy to configure simple queue to setting the network bandwidth allocated to each part either LAN or wireless internet network (hotspot).

From the results display bandwidth from Figure 4.2 can be obtained through the Software Winbox total amount of the bandwidth results obtained at 9 Mbps with QoS details are : Simkeu allocated 1 Mbps, Sipmaya allocated 2 Mbps, Sipmaya2 allocated 1 Mbps, LAN Office received an allocation of 3 Mbps, building C allocated bandwidth of 1 Mbps, and last hotspot or access point as many as 4 pieces with a total bandwidth of 1 Mbps. The total of which exceeds the maximum limit of the bandwidth is given ISP (Internet Service Provider) is 4