Akiyama and Watanabe, and independently, Albertson and Haas conjectured that every simple planar bipartite graph on $n$ vertices contains an induced forest on at least $5n/8$. In this paper, we apply the discharging method to bipartite planar graphs and show that every simple bipartite planar graph on $n$ vertices contains an induced forest on at least $\lceil (4n + 3)/7 \rceil$ vertices. (Received January 27, 2015)