











TurkStat, Turkish Statistical Institute (Table 4). Therefore, urban fabric is changing and urban settlements area is growing continuously.

#### 4. CONCLUSIONS

We obtained classified land use and land cover classification in the Adapazari Plain, Turkey (2010) with analysing SPOT-5 satellite image. According to LULC classification results, land cover distributed as heterogeneous agricultural areas 78.4 %, forests 14.8%, urban fabric 5.1%, industrial units 0.3%, inland wetlands 0.5% and roads 0.9%. Based on the results, heterogeneous agricultural area is the largest land use and land cover classes in the plain. Although industrialization and urbanization is increasing in the study area, the Adapazari Plain is still an important agricultural area in Turkey. As a results of this study, high accuracy of land use and land cover classification map was obtained. Relatively homogeneous structural character of the plain and high spatial resolutions of the SPOT-5 with 10 meter put a direct effect on the obtained result. Accurate LULC maps can play an important role in aiding land use and land cover management as well as helping in deciding what sort of lands are best suited for sustaining land use and land cover and in what manner this land use and land cover should be practiced.

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