

**Table 5.** The goodness of fit measures used for simulating the pressure head and soil water content using HYDRUS1D model in Lapodiya catchment.

Simulation for different soil profile depths	Dataset	Calibration		Validation	
		R <sup>2</sup>	RMSE (cm)	R <sup>2</sup>	RMSE (cm)
Surface profile (0-60) cm	Pressure head	0.8 7	35.66	0.8 4	40.65
	Soil water content	0.8 9	0.005	0.8 5	0.006
Deeper profile (60-100) cm	Pressure head	0.8 1	26.74	0.6 9	36.63
	Soil water content	0.8 7	0.004	0.7 6	0.005